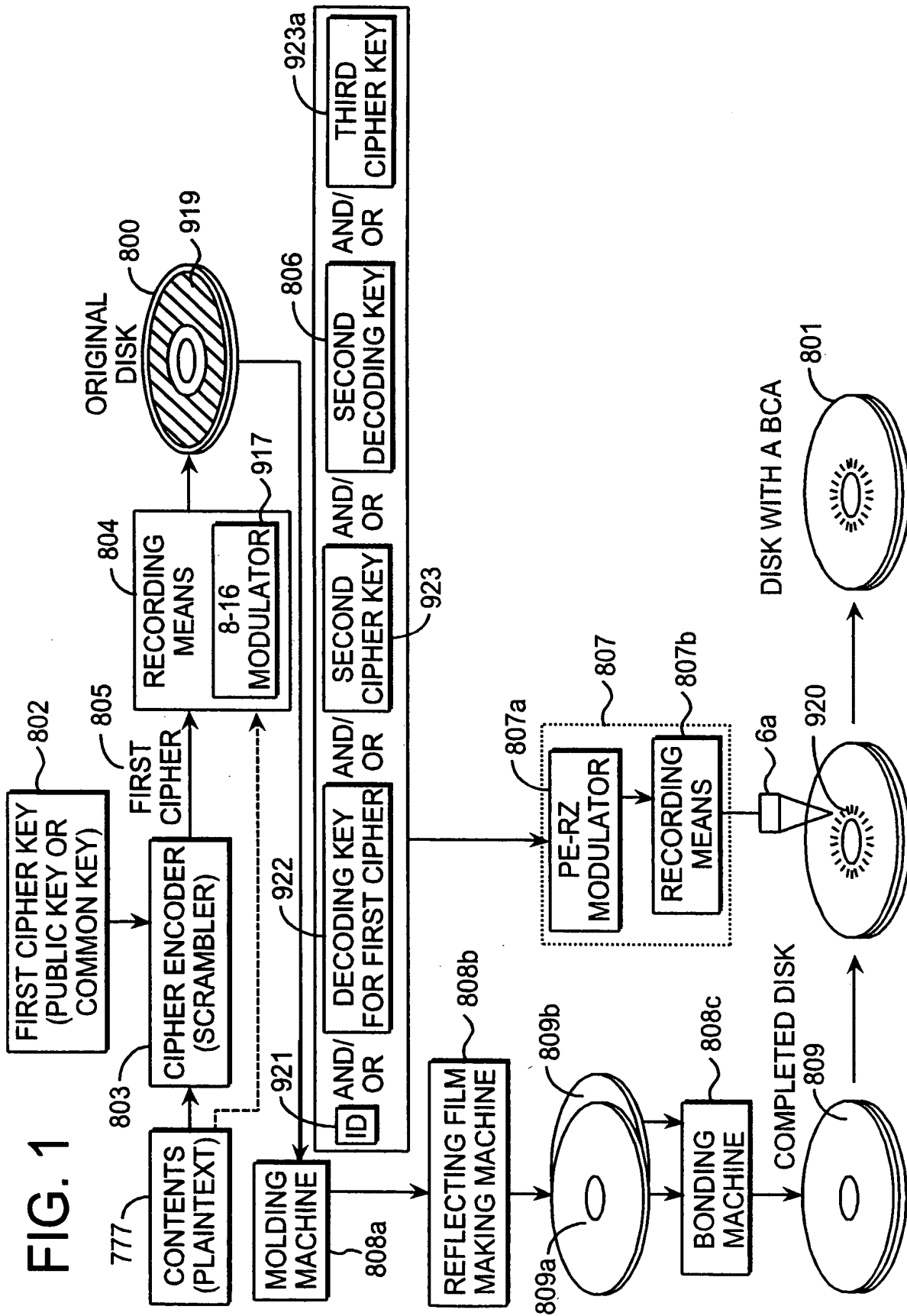


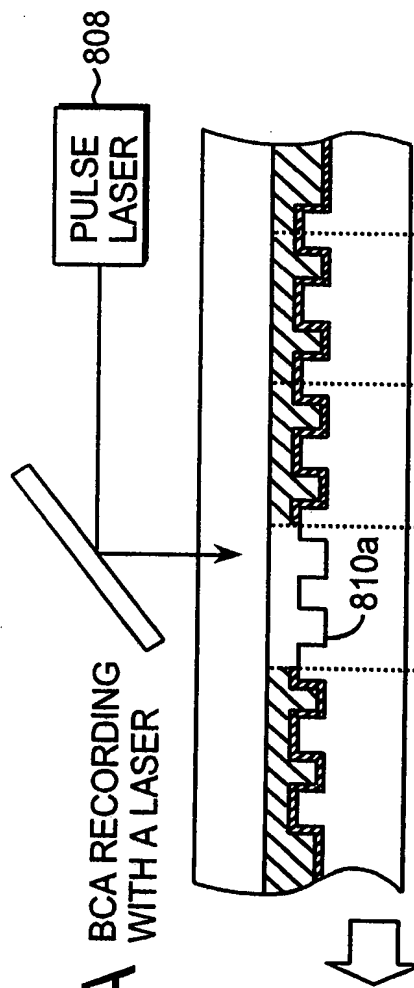
# FIG. 1

The diagram illustrates a manufacturing process for a disk with a BCA. The process involves several key components and steps:

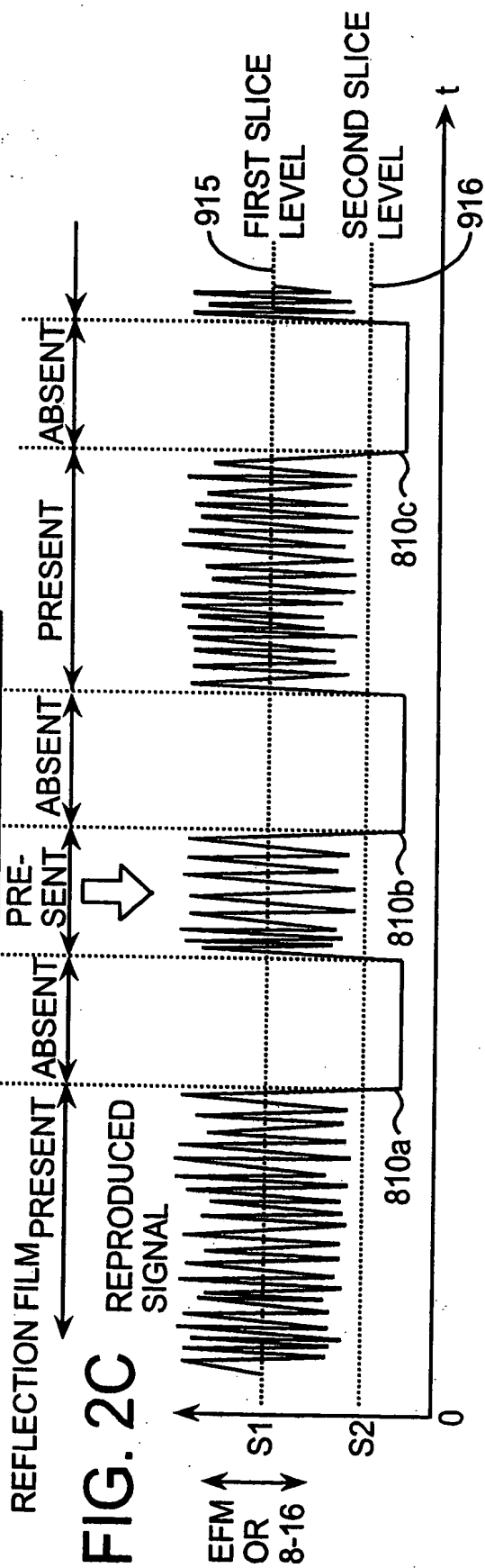
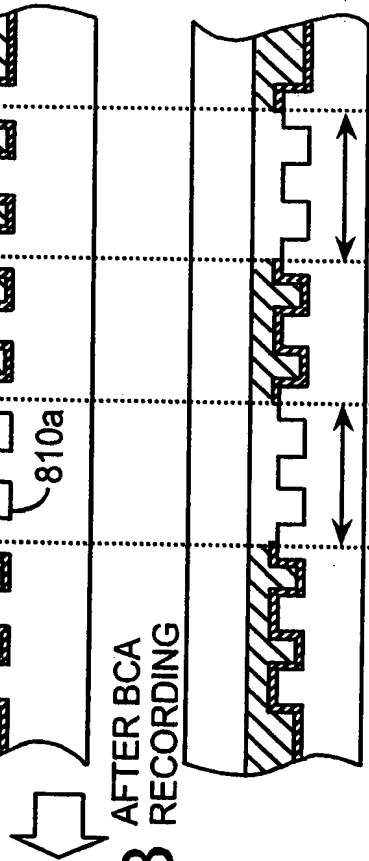
- Inputs:** CONTENTS (PLAINTEXT) (777) and FIRST CIPHER KEY (PUBLIC KEY OR COMMON KEY) (802).
- Encoding:** The CONTENTS (PLAINTEXT) (777) and FIRST CIPHER KEY (PUBLIC KEY OR COMMON KEY) (802) are processed by a CIPHER ENCODER (SCRAMBLER) (803) to produce a FIRST CIPHER (805).
- Recording:** The FIRST CIPHER (805) is processed by RECORDING MEANS (804), which includes an 8-16 MODULATOR (917), to produce an ORIGINAL DISK (800).
- Reflecting Film Making:** The FIRST CIPHER (805) is also processed by a MOLDING MACHINE (808a) to produce a REFLECTING FILM MAKING MACHINE (808b), which produces a COMPLETED DISK (809).
- Bonding:** The COMPLETED DISK (809) is processed by a BONDING MACHINE (808c) to produce a DISK WITH A BCA (801).
- Final Processing:** The DISK WITH A BCA (801) is processed by a PE-RZ MODULATOR (807a) and RECORDING MEANS (807b) to produce the final DISK WITH A BCA (801).



**FIG. 2A** BCA RECORDING WITH A LASER

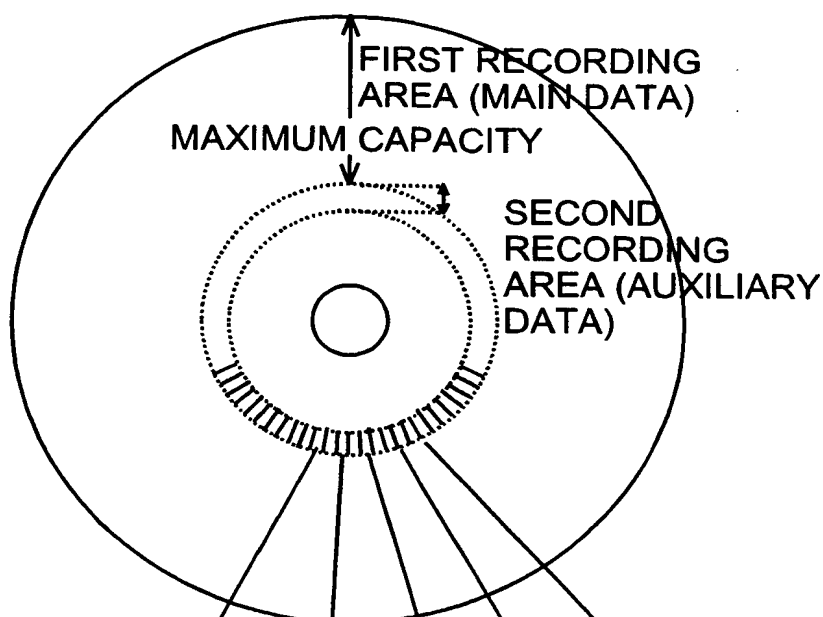


**FIG. 2B** AFTER BCA RECORDING



**FIG. 3A**

TOP PLAN



**FIG. 3B**

BAR CODE  
PE MODULATION

RECORDED SIGNAL

**FIG. 3C**

RECORDED  
SIGNAL

**FIG. 3D**

RECORDED  
DATA

REPRODUCED SIGNAL

**FIG. 3E**

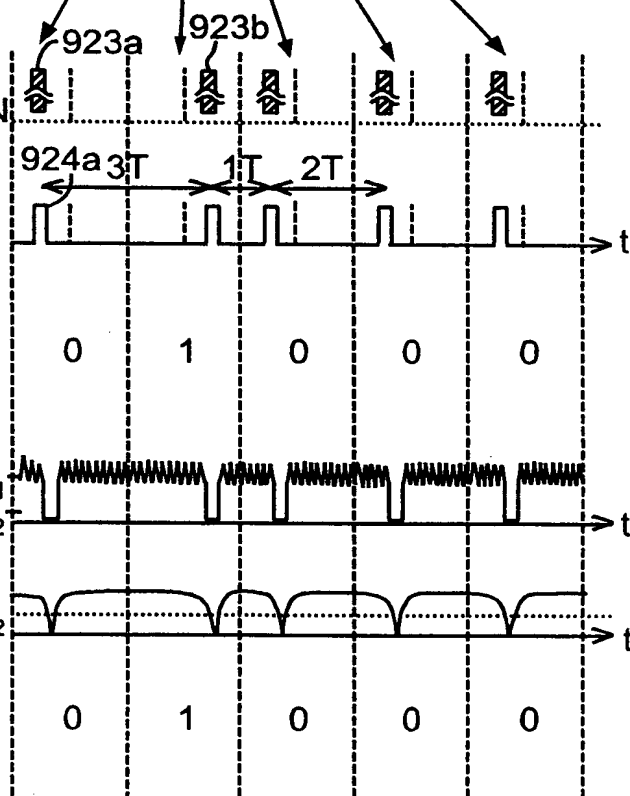
REPRODUCED  
SIGNAL

**FIG. 3F**

FILTERED

**FIG. 3G**

REPRODUCED  
DATA



# FIG. 4A

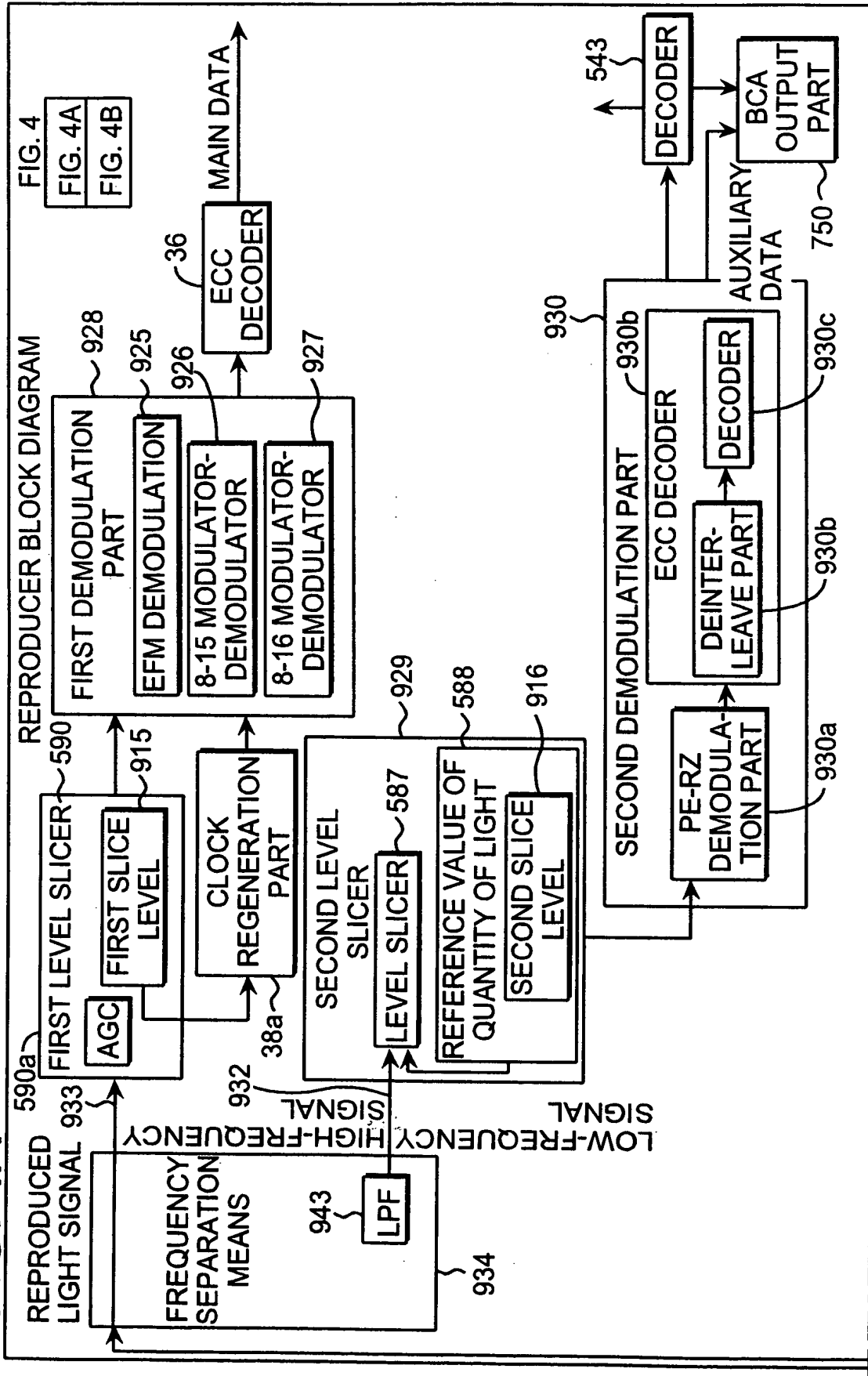
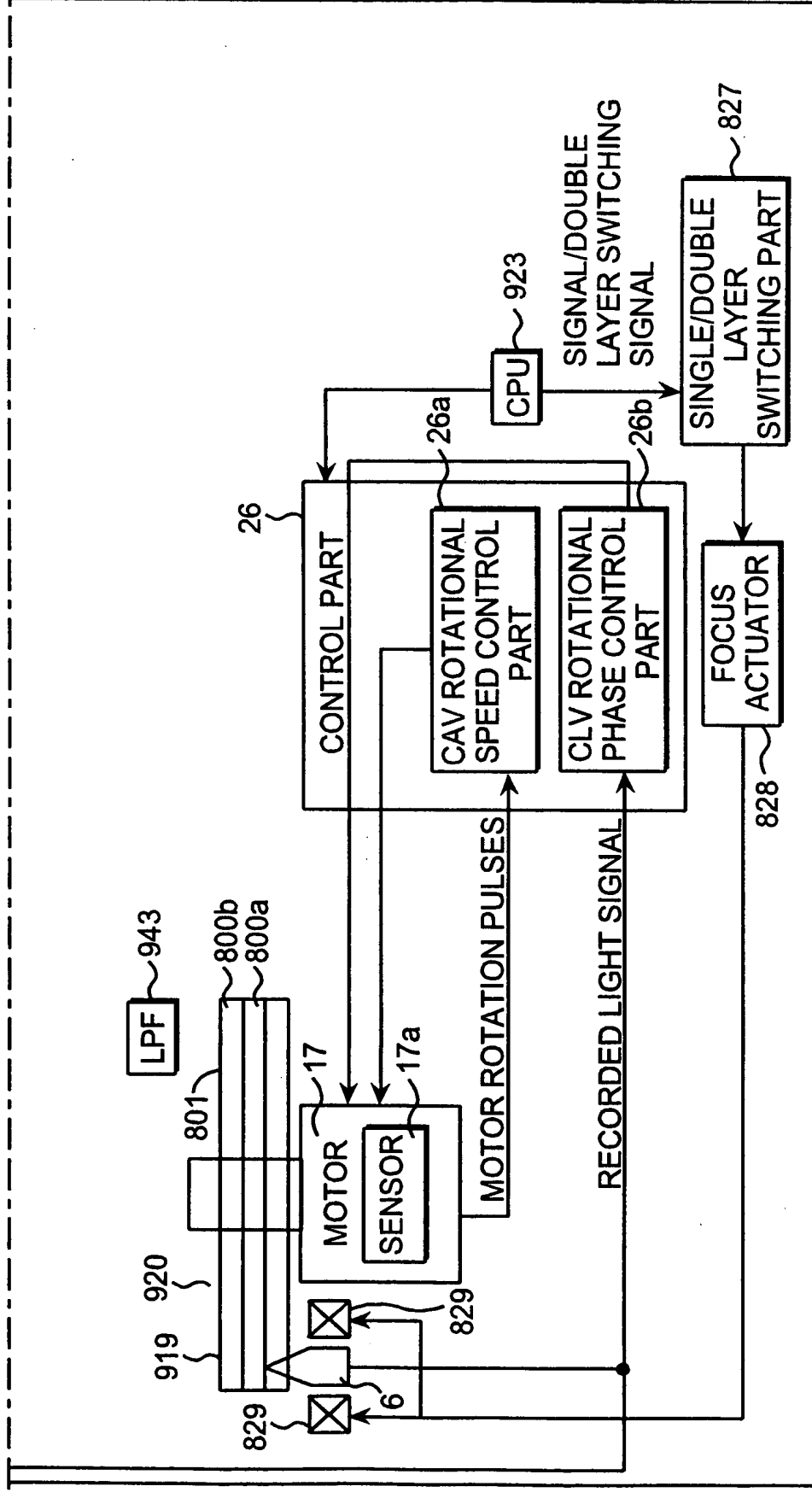
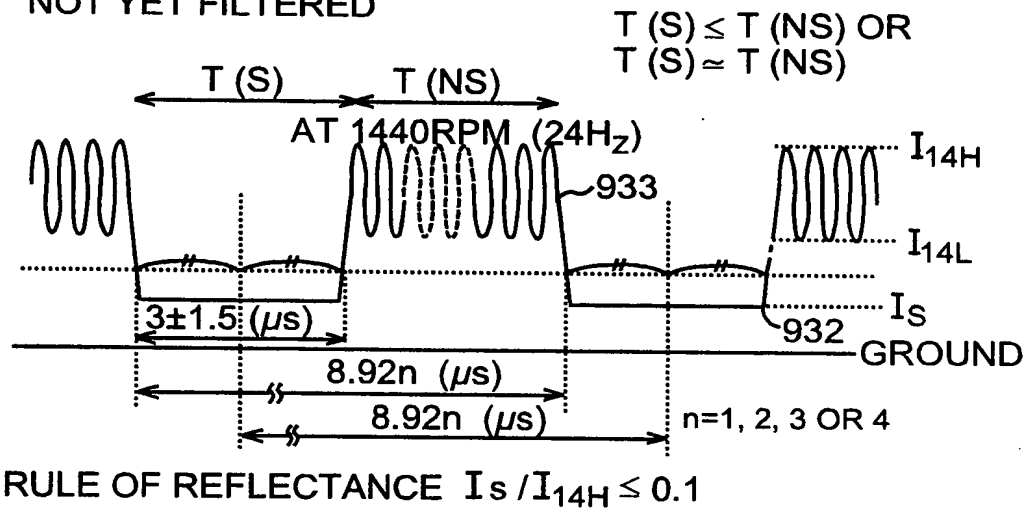


FIG. 4B



# FIG. 5A

WAVEFORM OF REPRODUCED SIGNAL  
NOT YET FILTERED



# FIG. 5B

SLIT DIMENSION ACCURACY (PRECISION)  
(AT  $r=22.2\text{mm}$ )

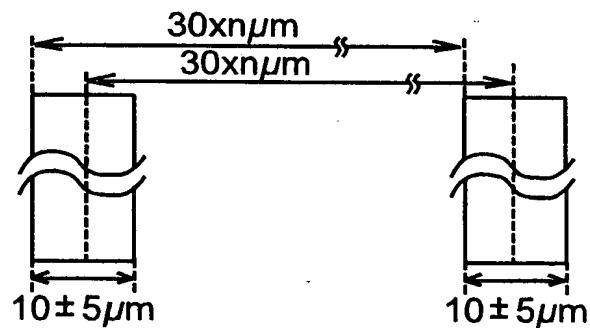


FIG. 6

FIG. 6A	FIG. 6B
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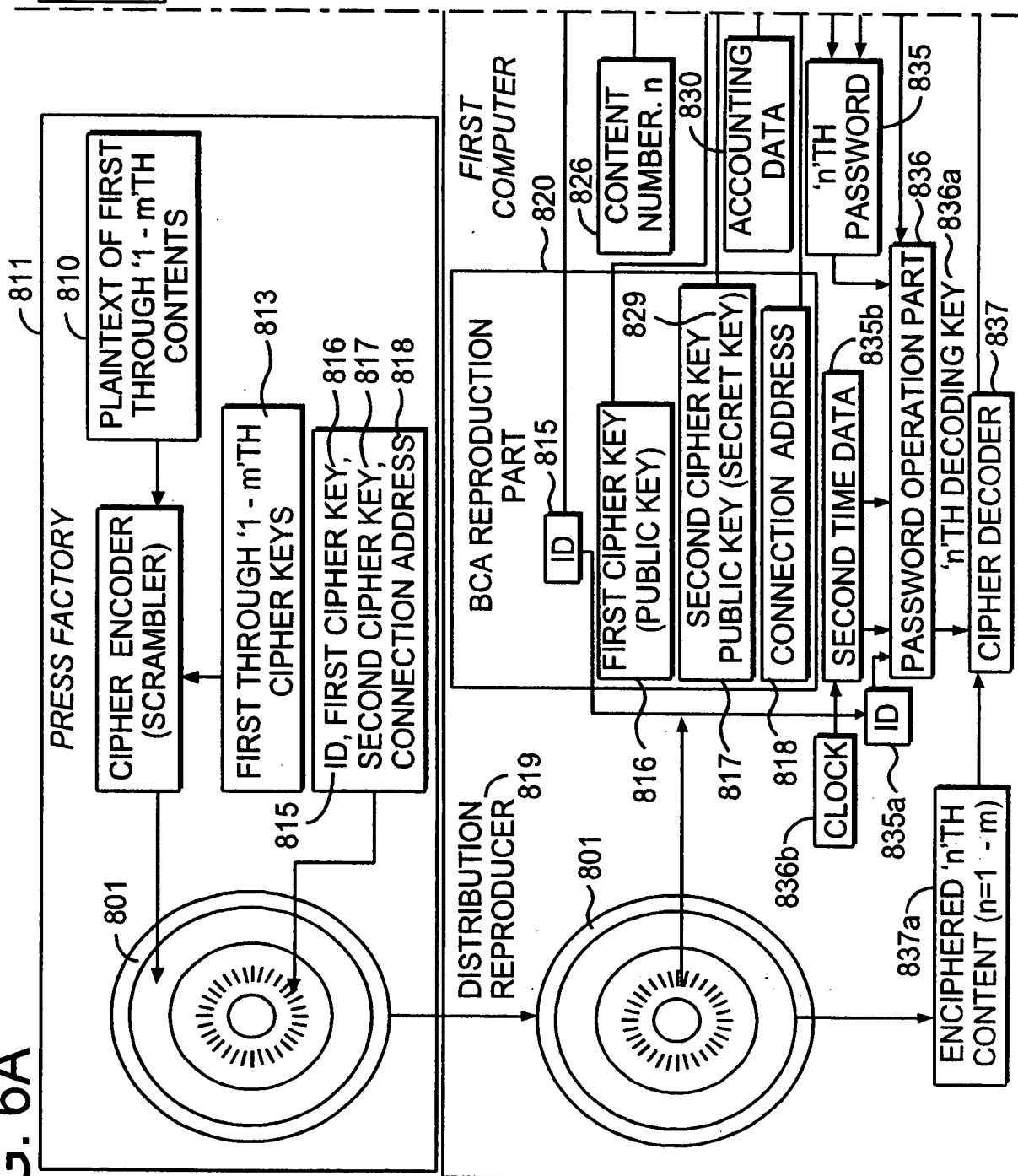
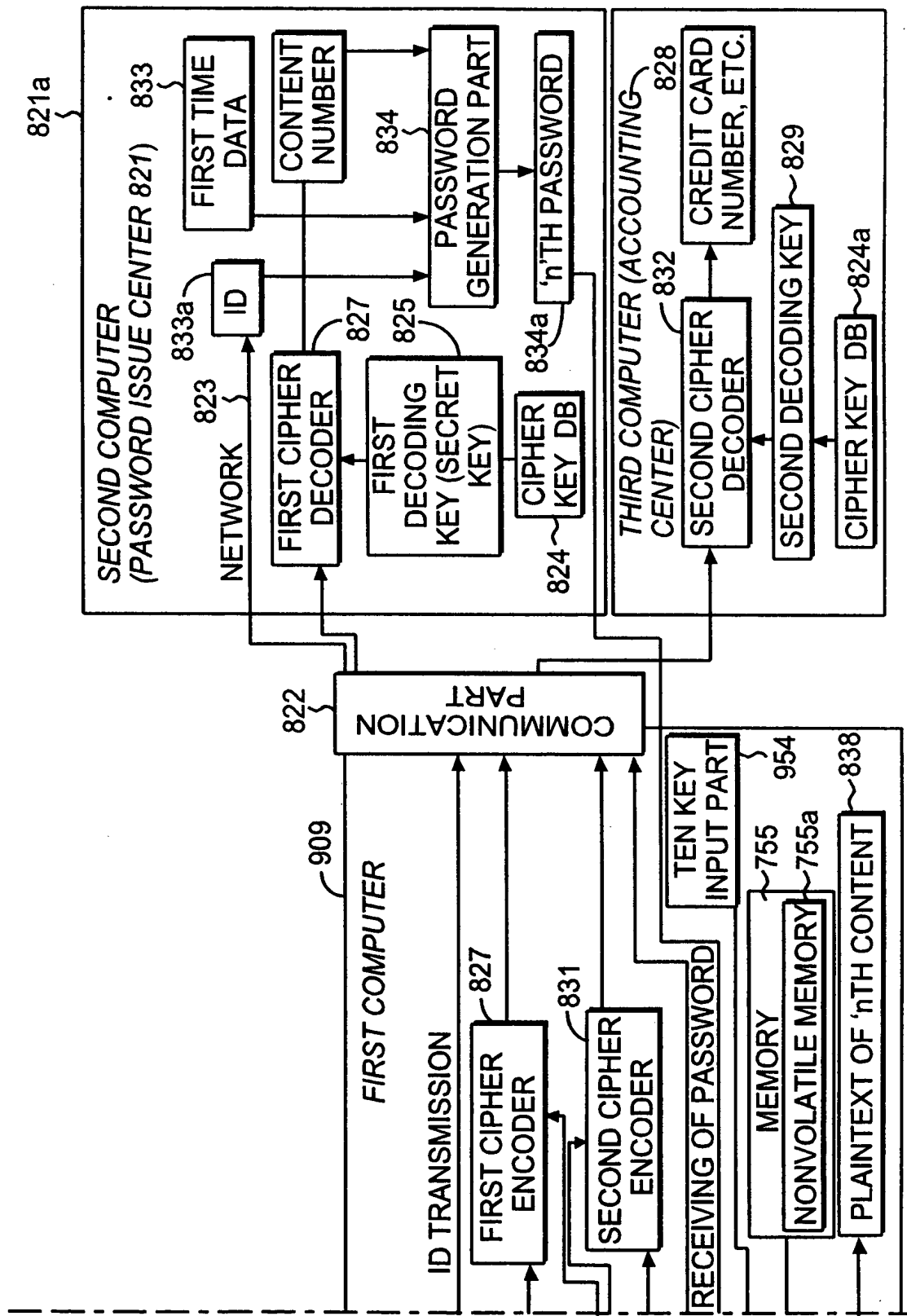
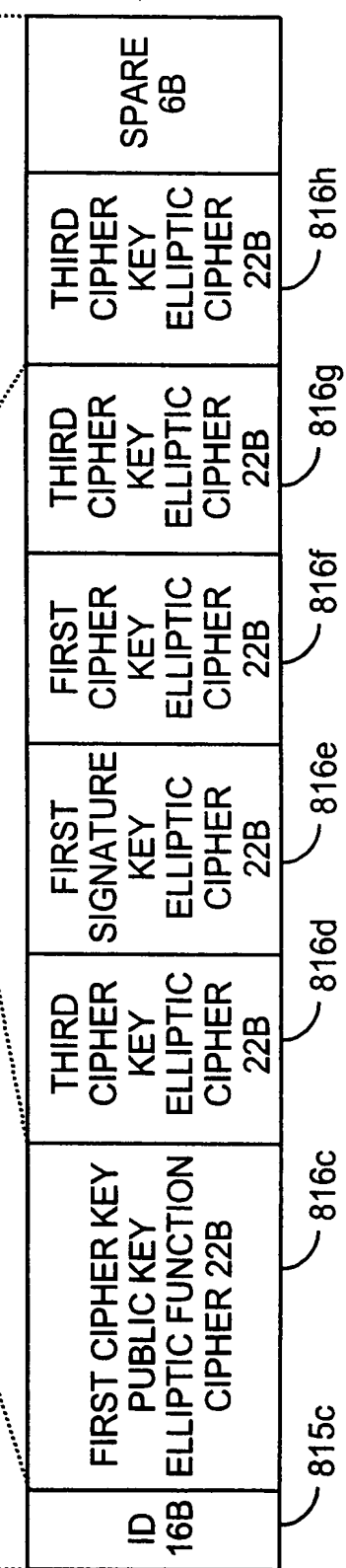
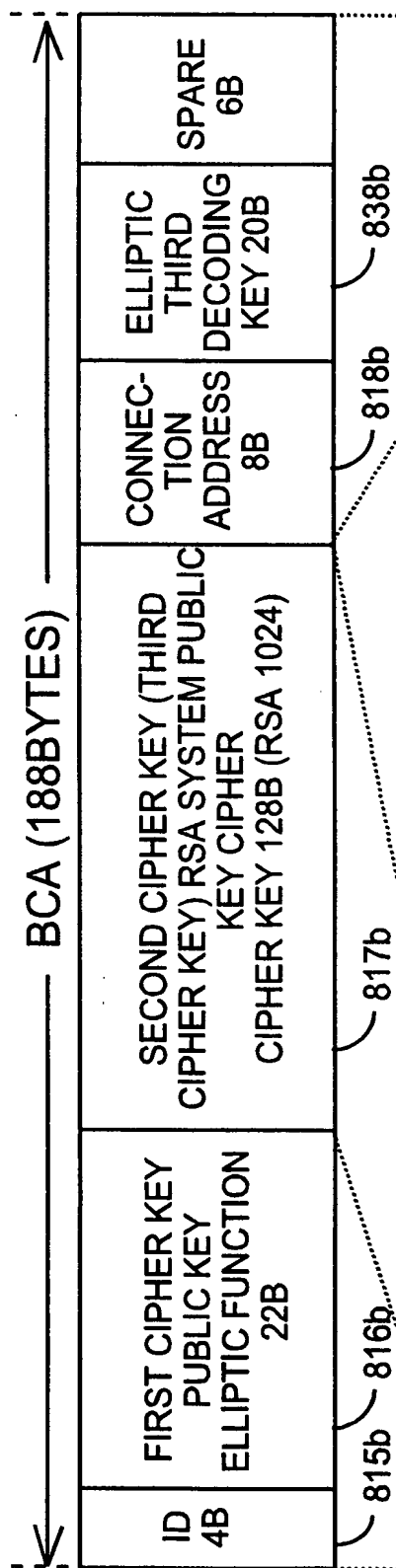
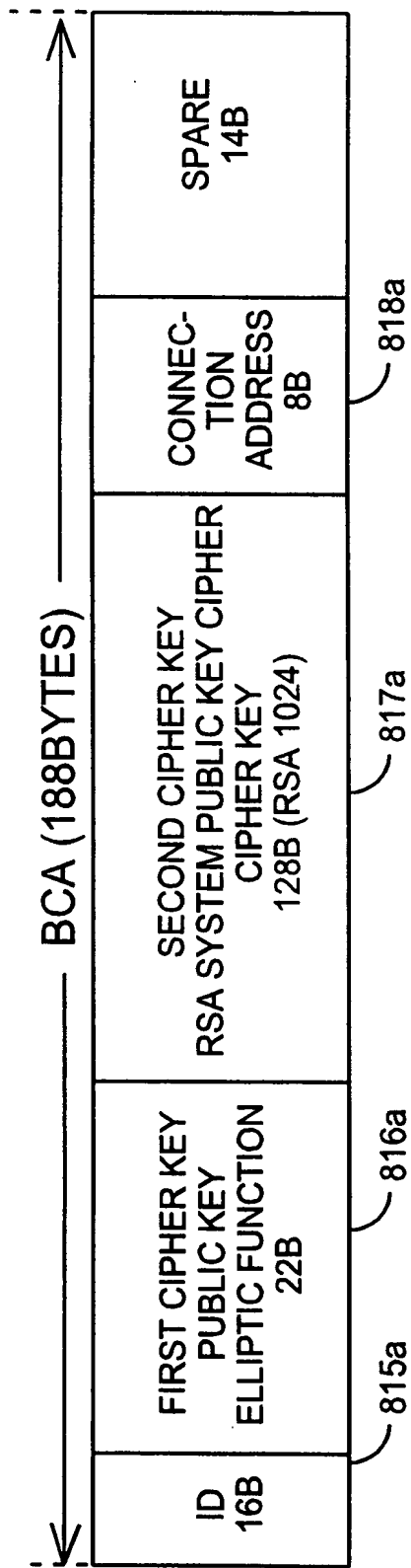


FIG. 6B









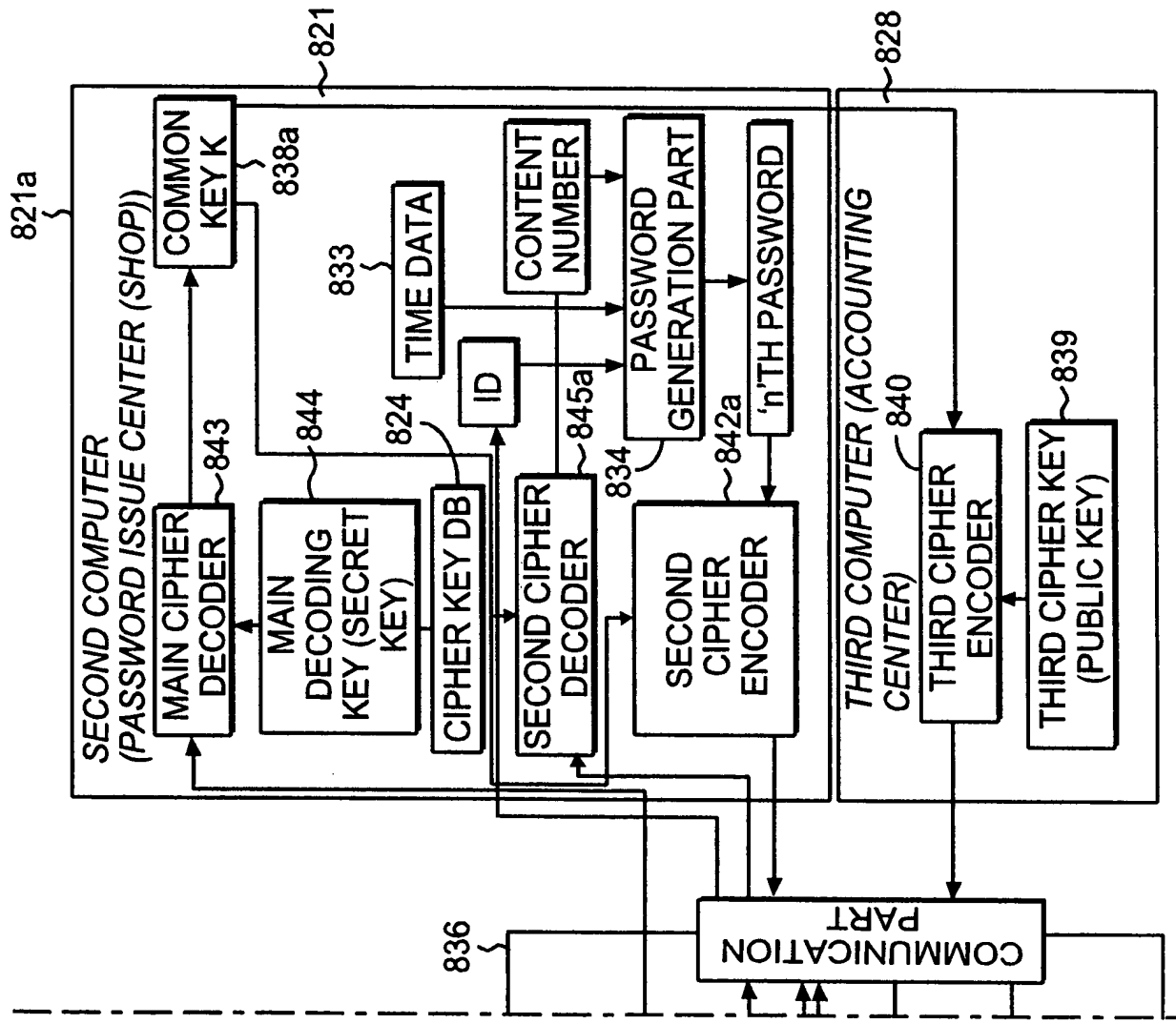
**FIG 8B**

FIG. 9A

FIG. 9
FIG. 9A
FIG. 9B

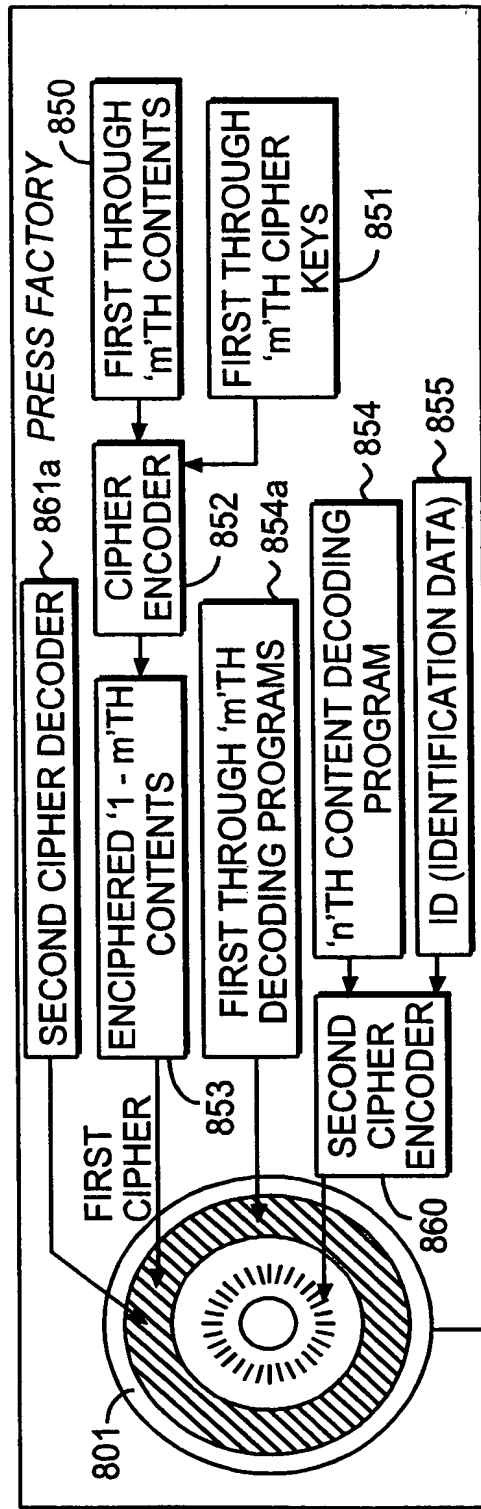


FIG. 9B

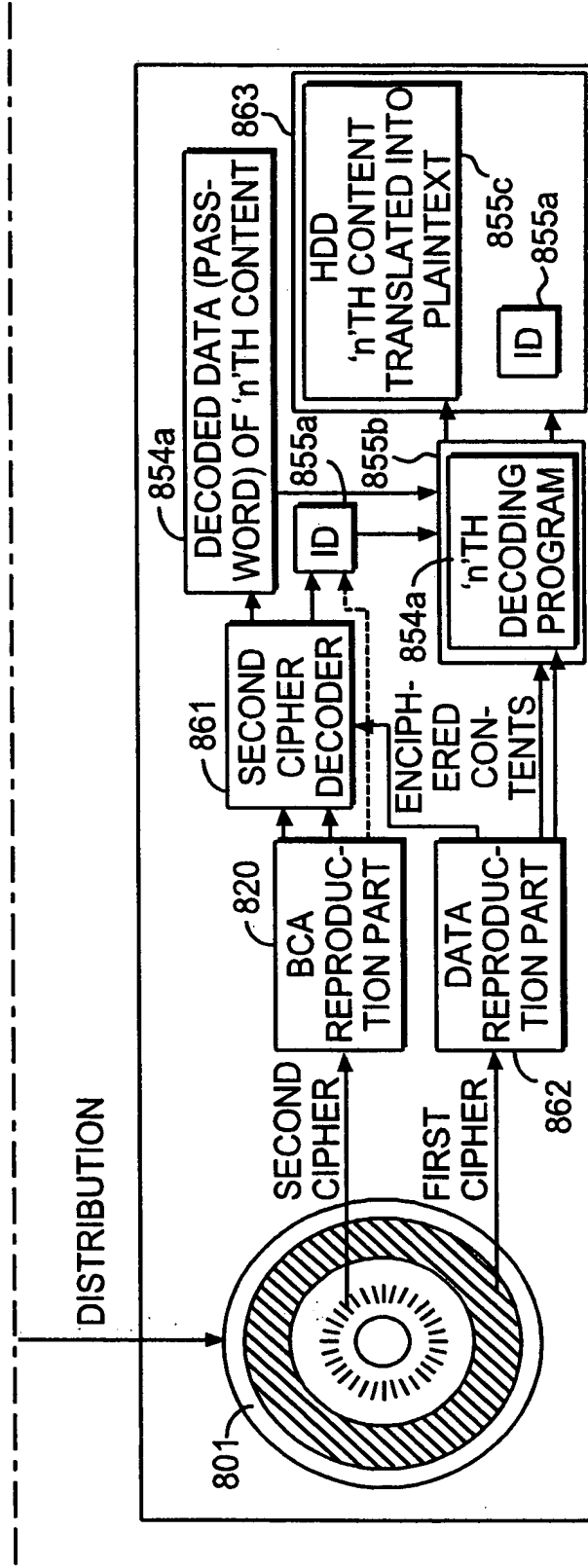


FIG. 10

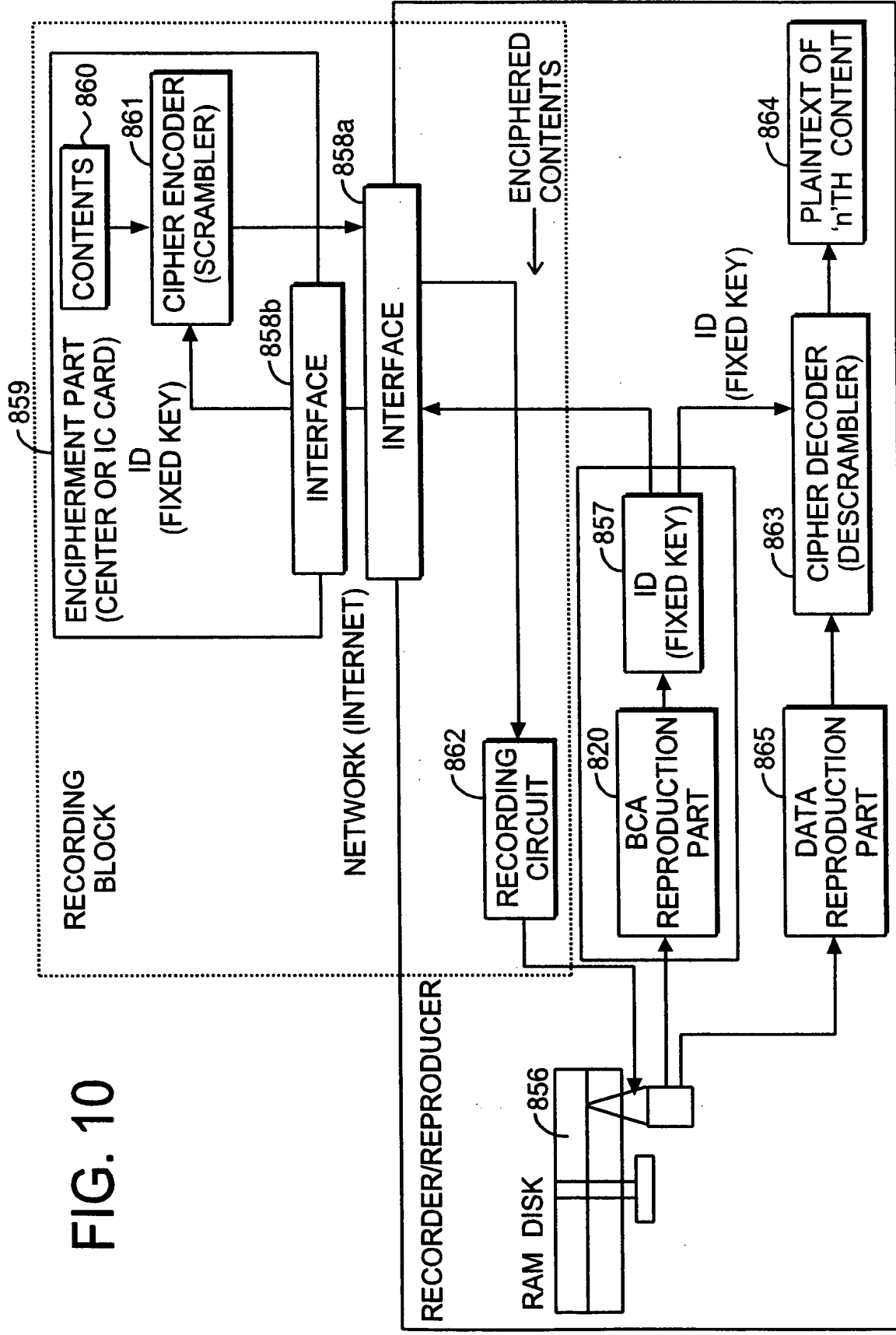


FIG. 11

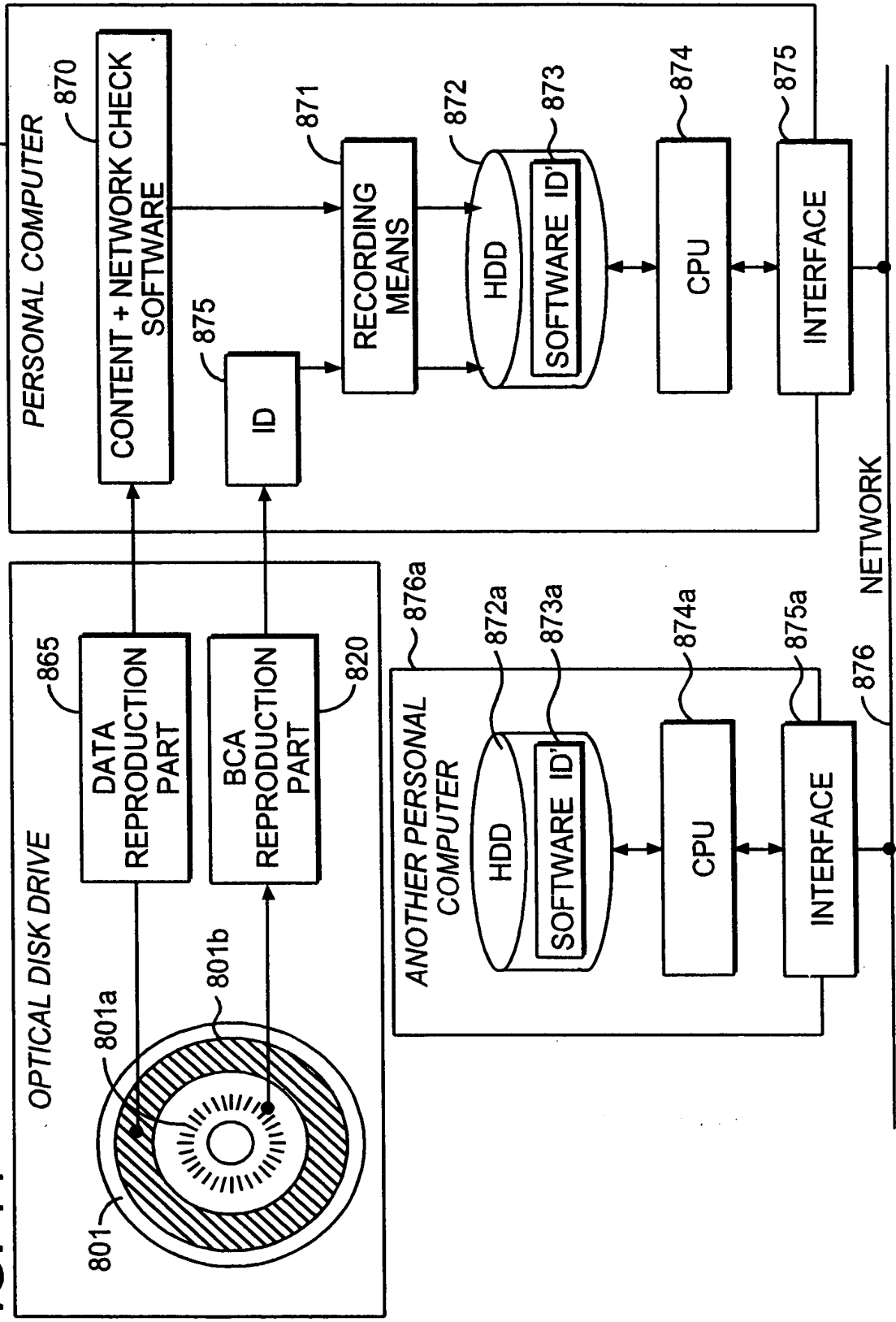


FIG. 12

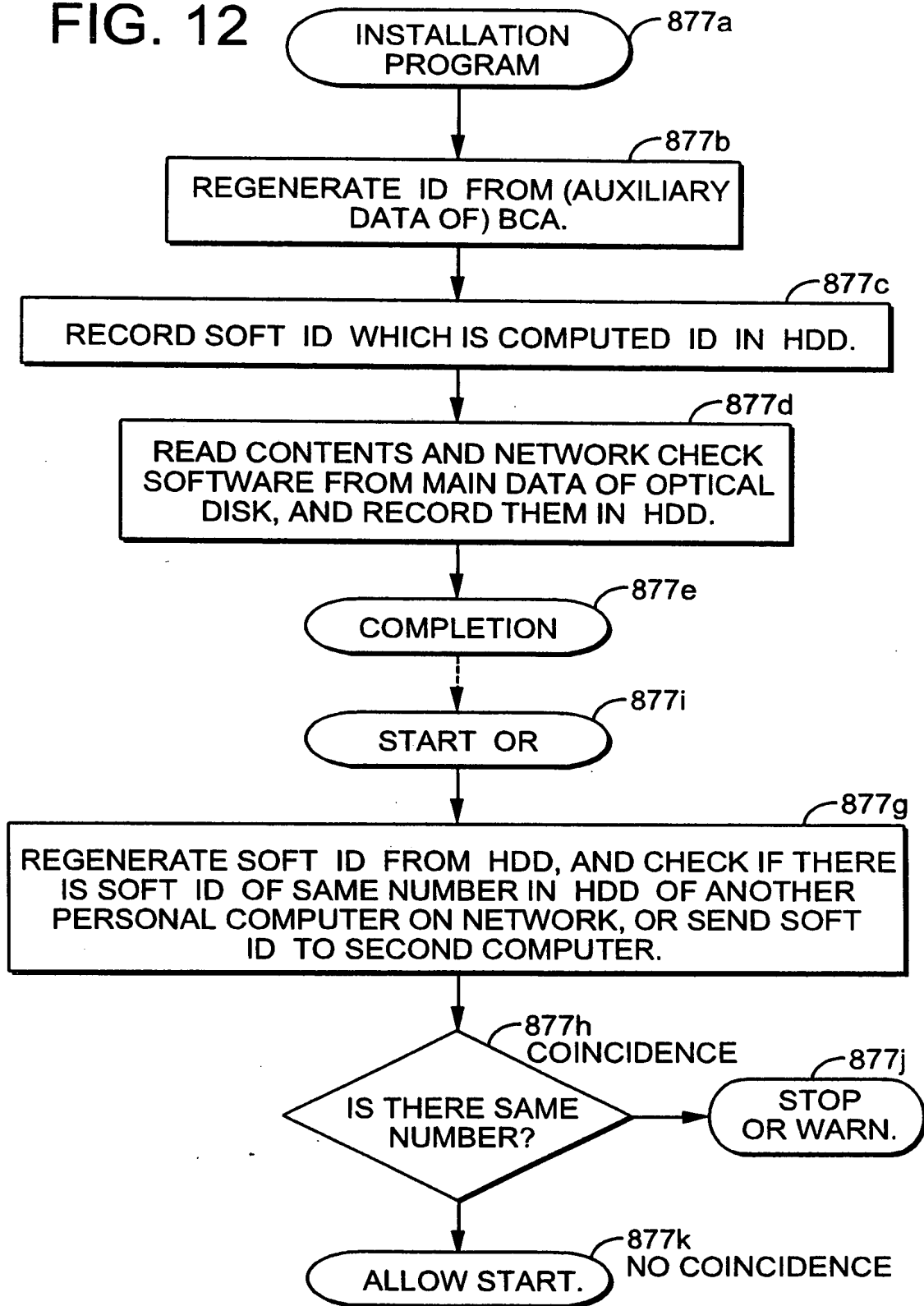




FIG. 13A

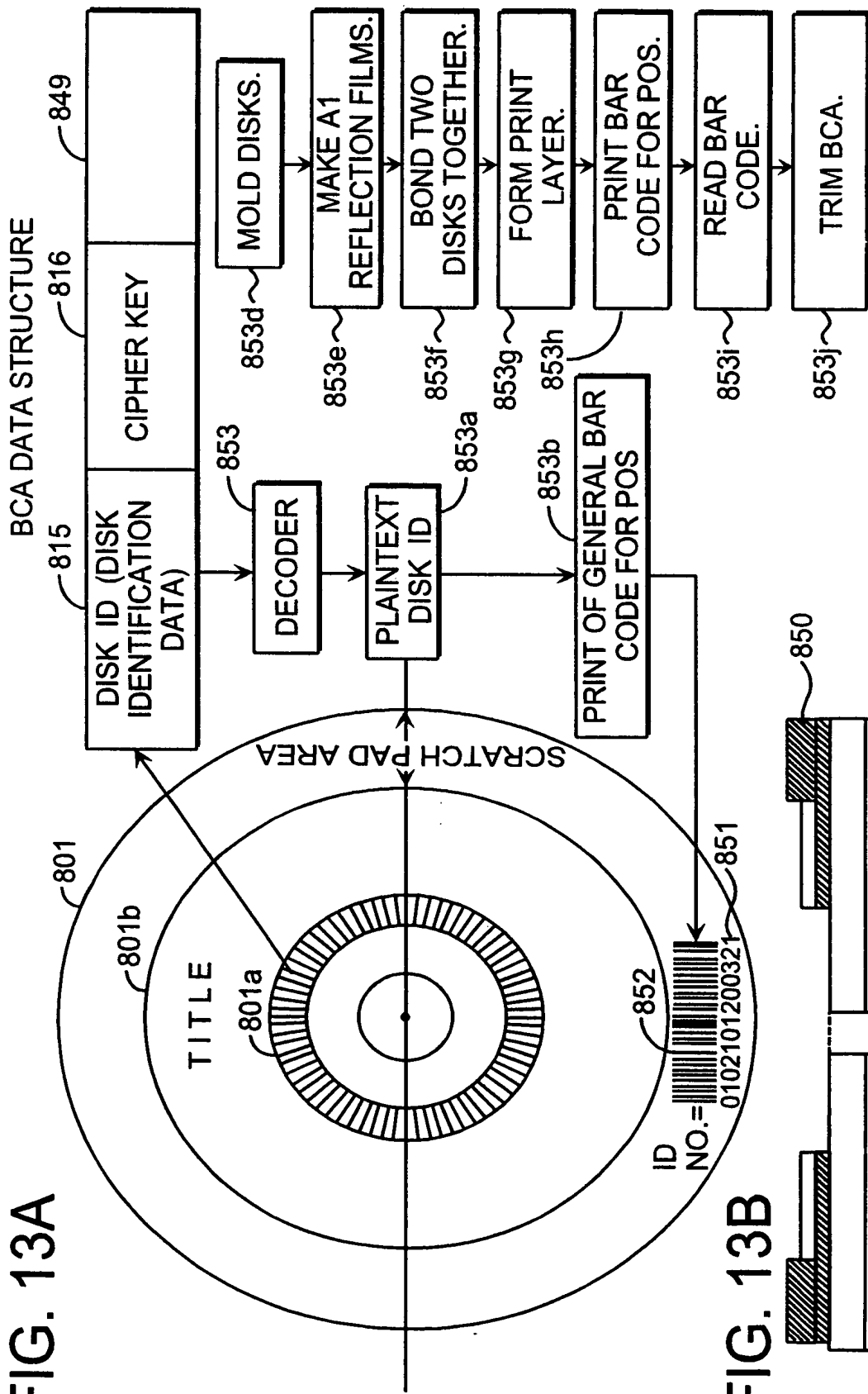


FIG. 13B

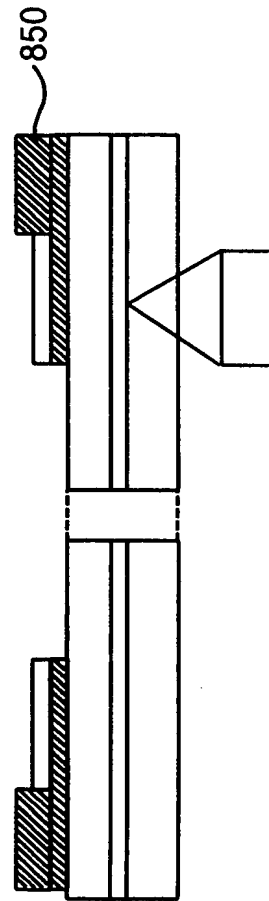


FIG. 13C

FIG. 14A

ROM DISK

FIG. 14

FIG. 14A FIG. 14B

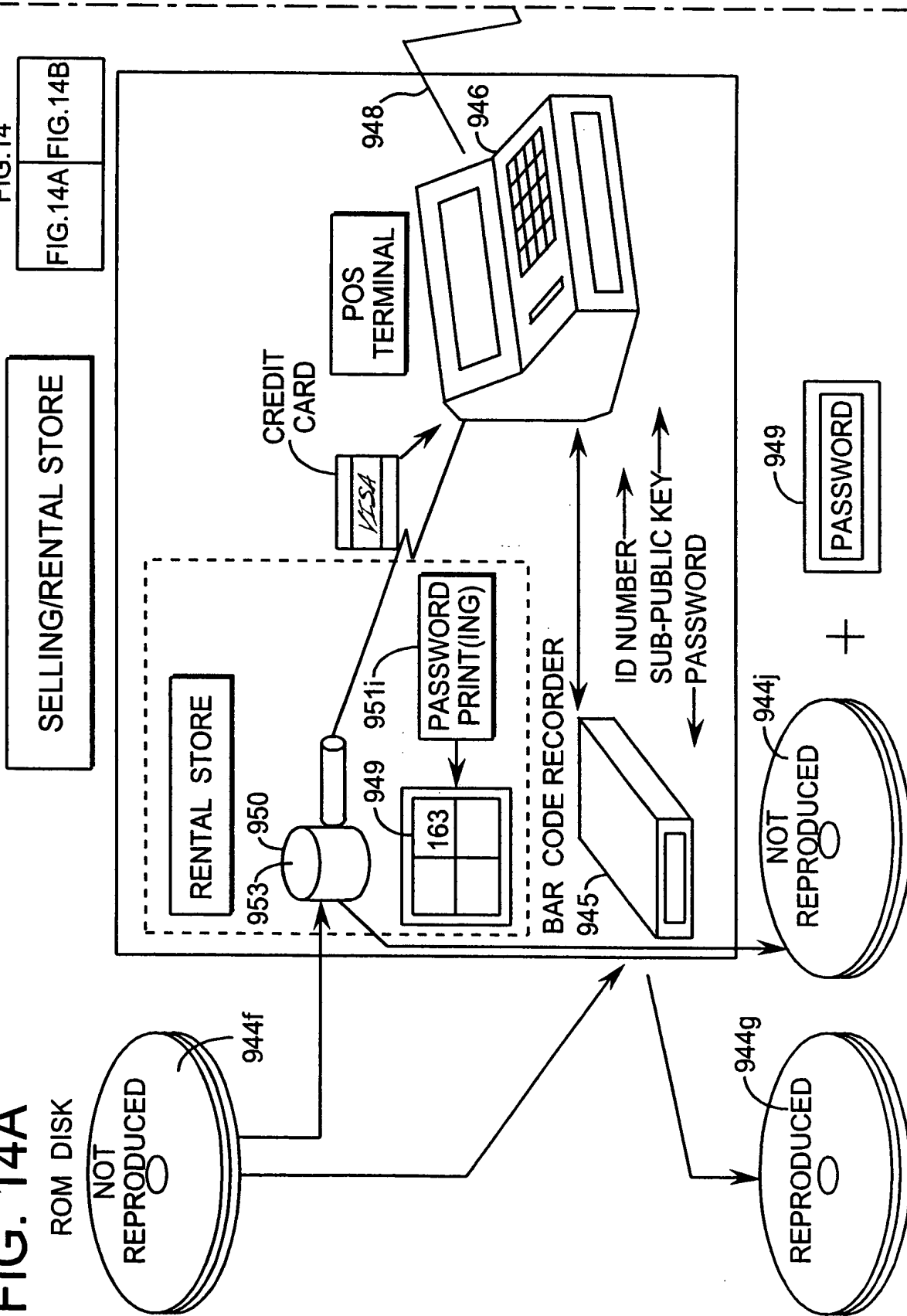


FIG. 14B

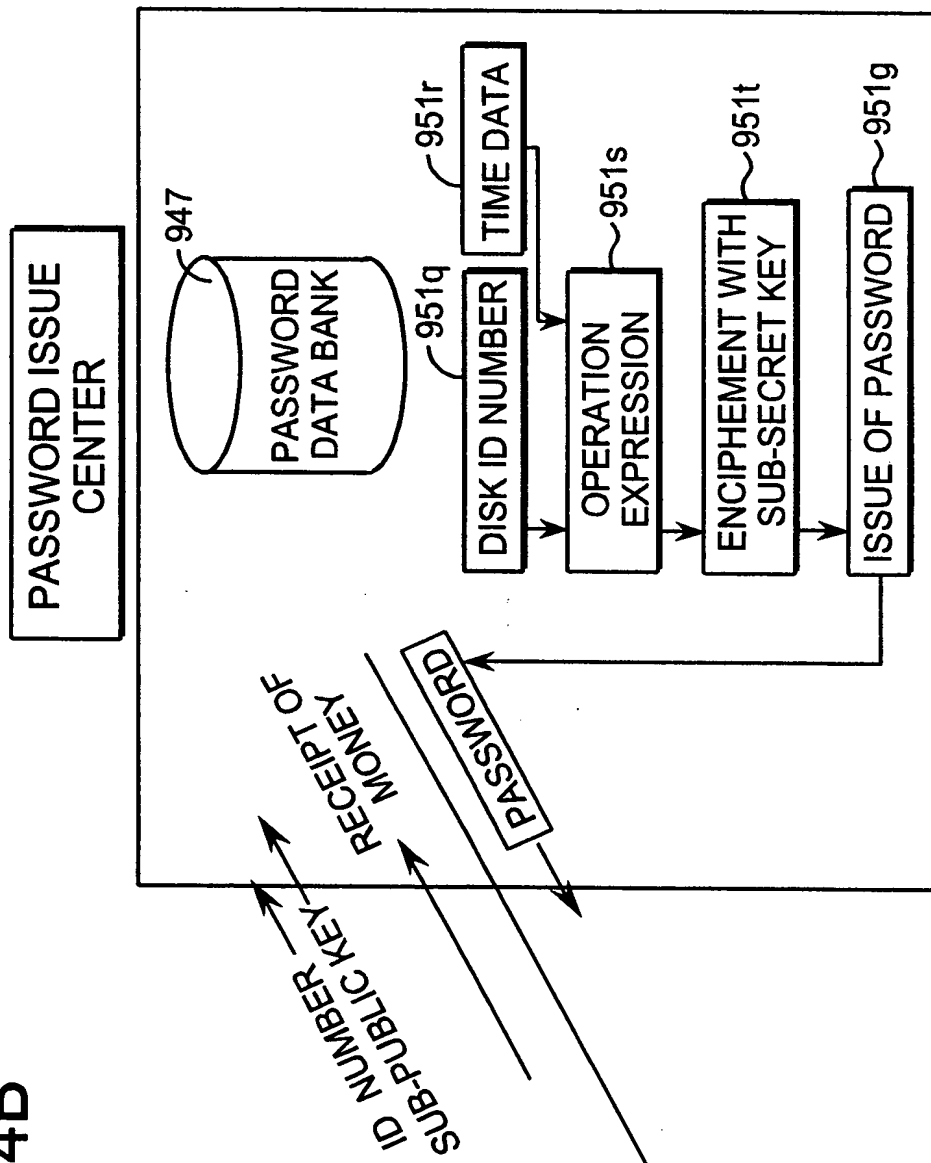


FIG. 15A

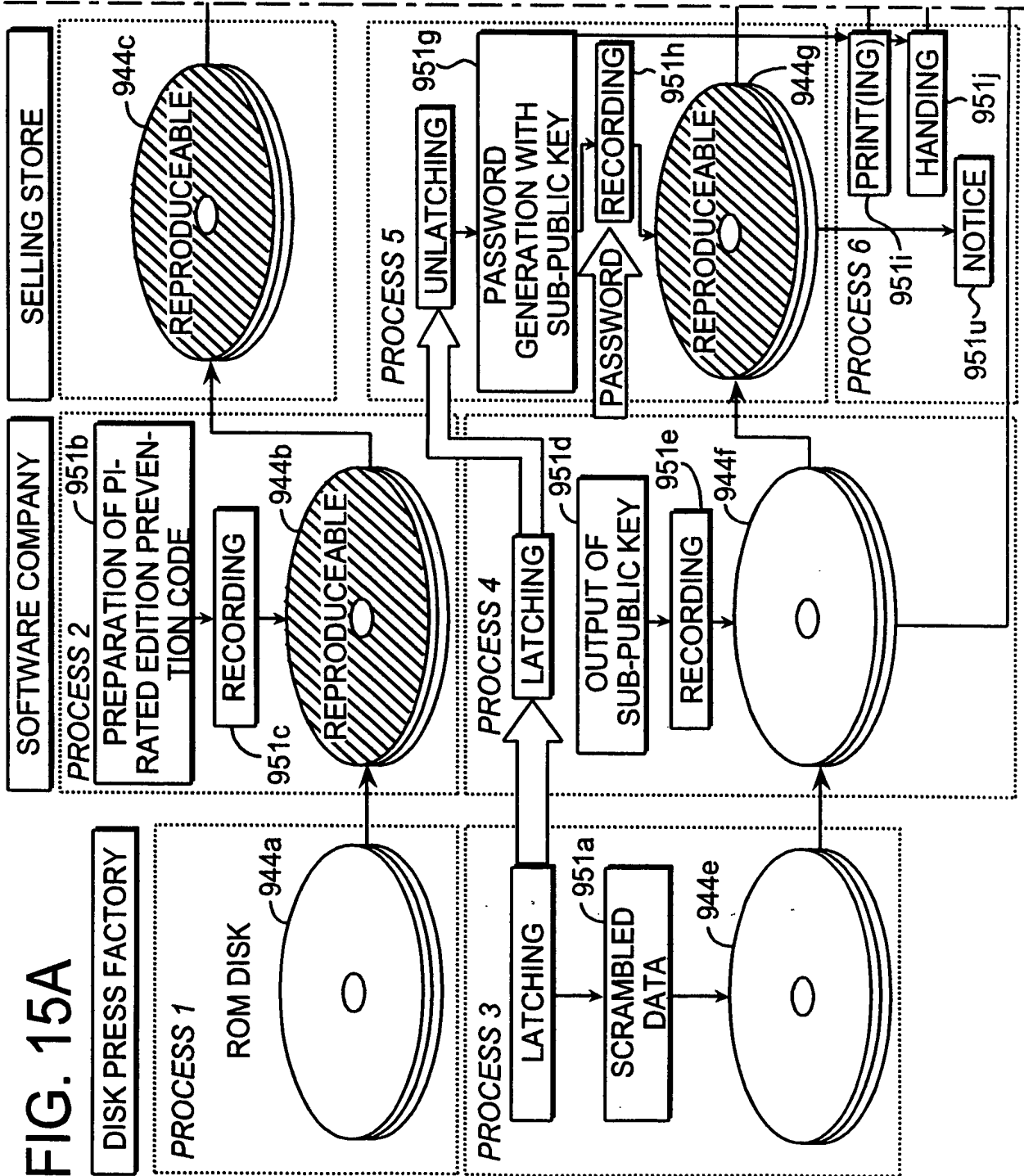


FIG. 15

FIG. 15A FIG. 15A

FIG. 15B

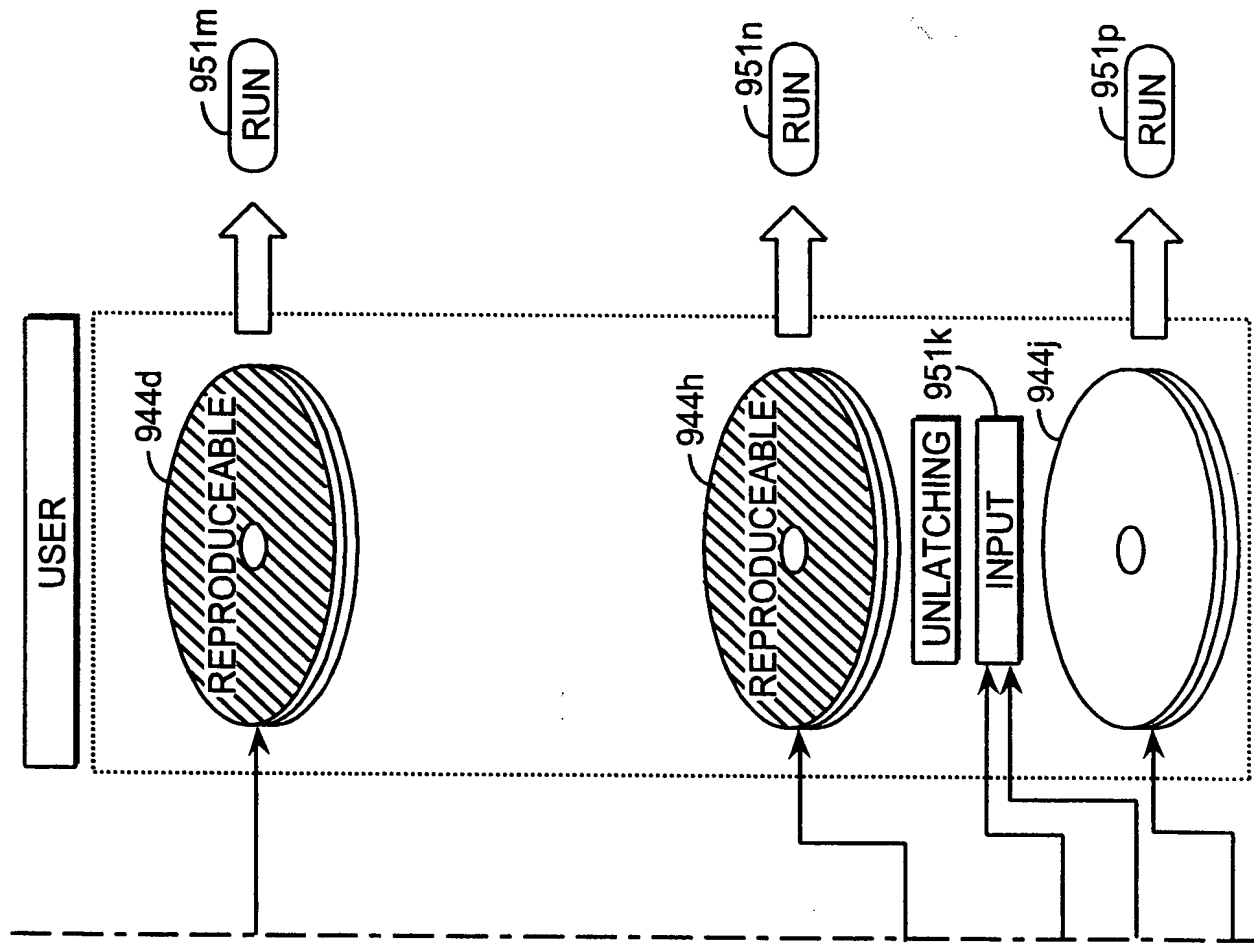


FIG. 16

METHOD OF DECODING CIPHER  
DATA

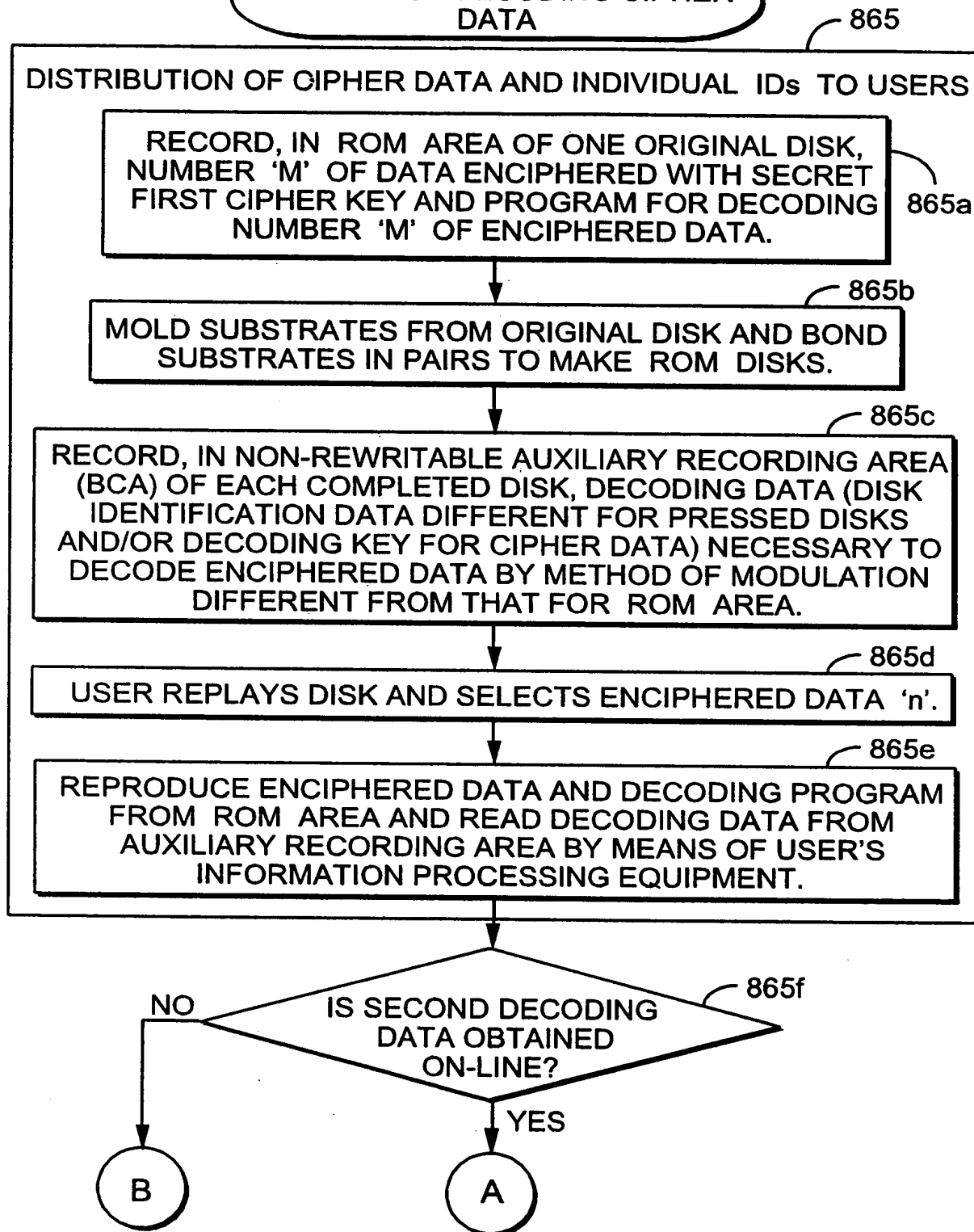


FIG. 17

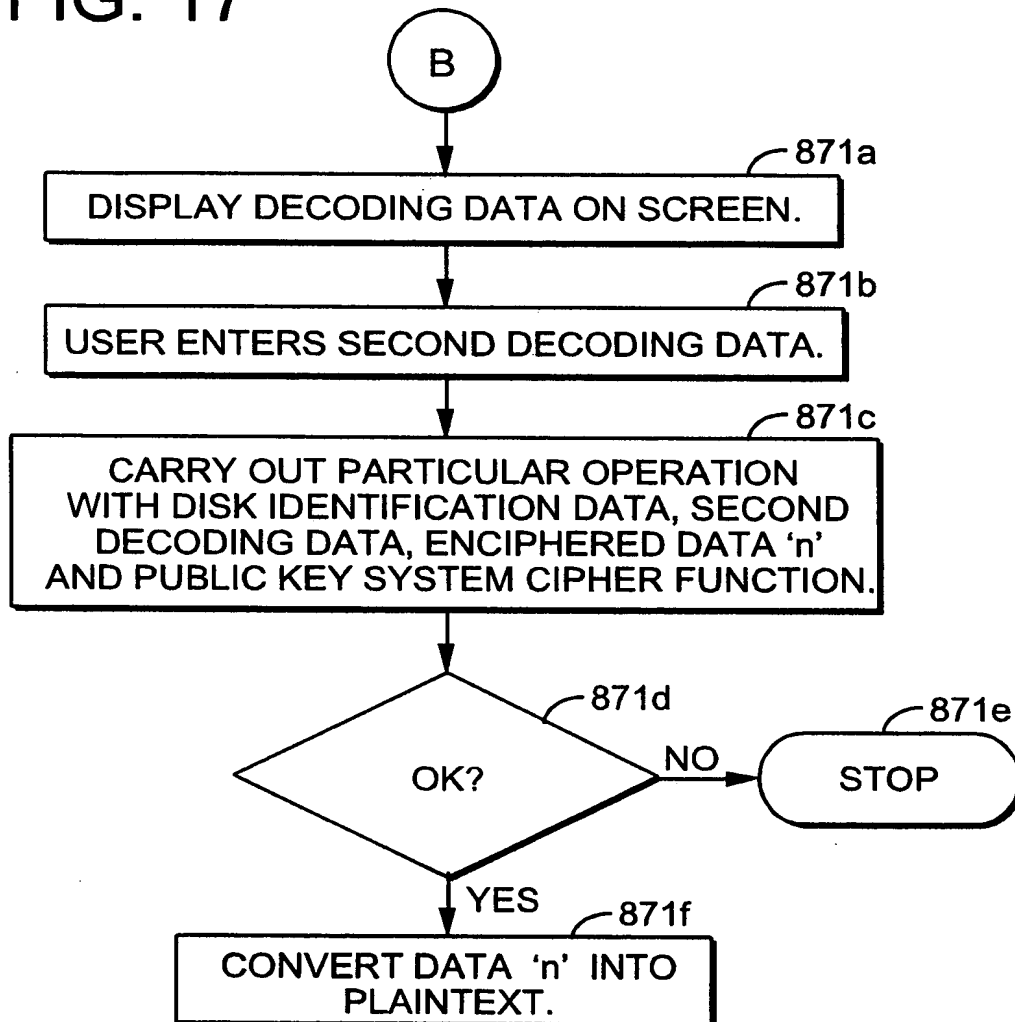


FIG. 18

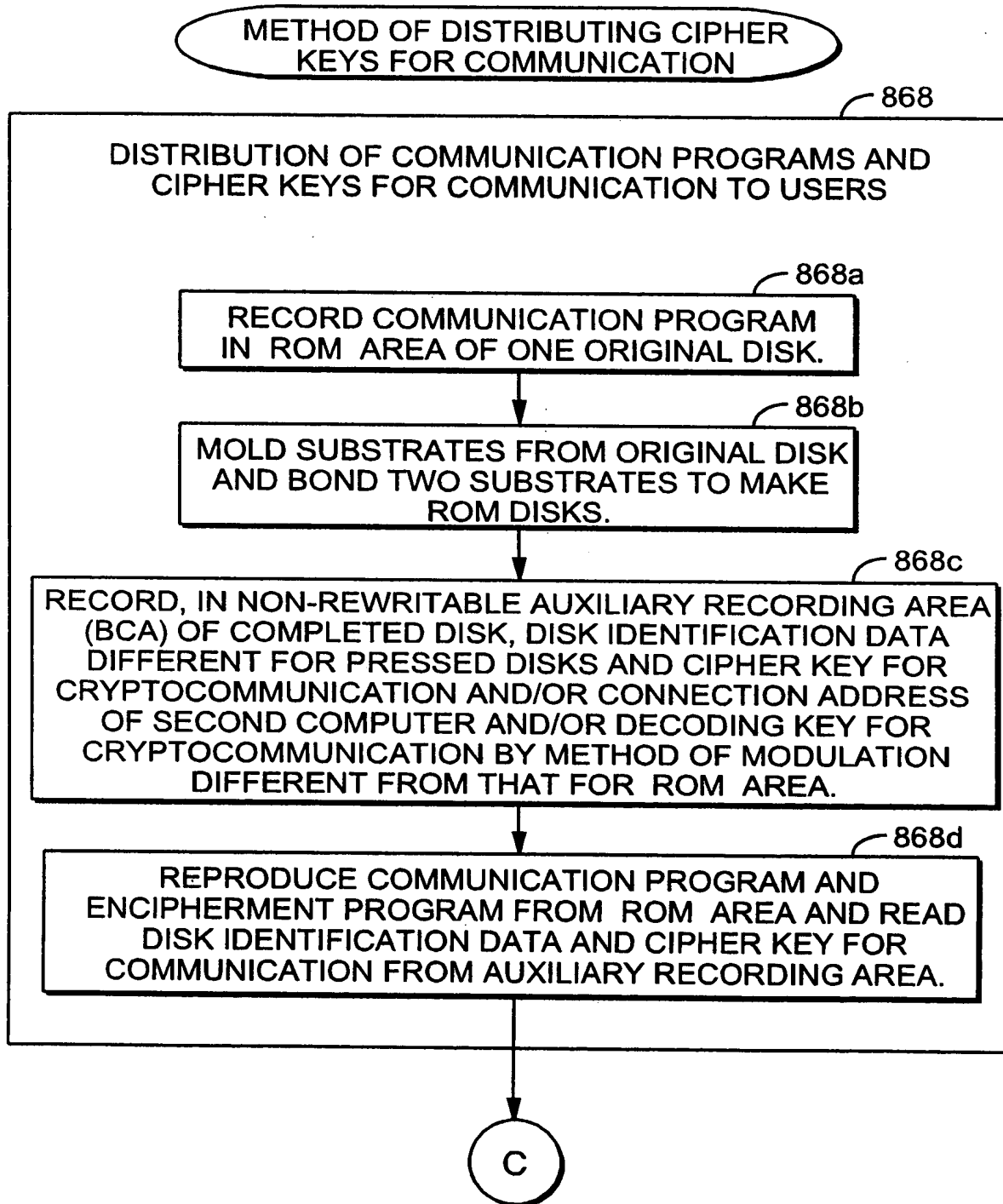
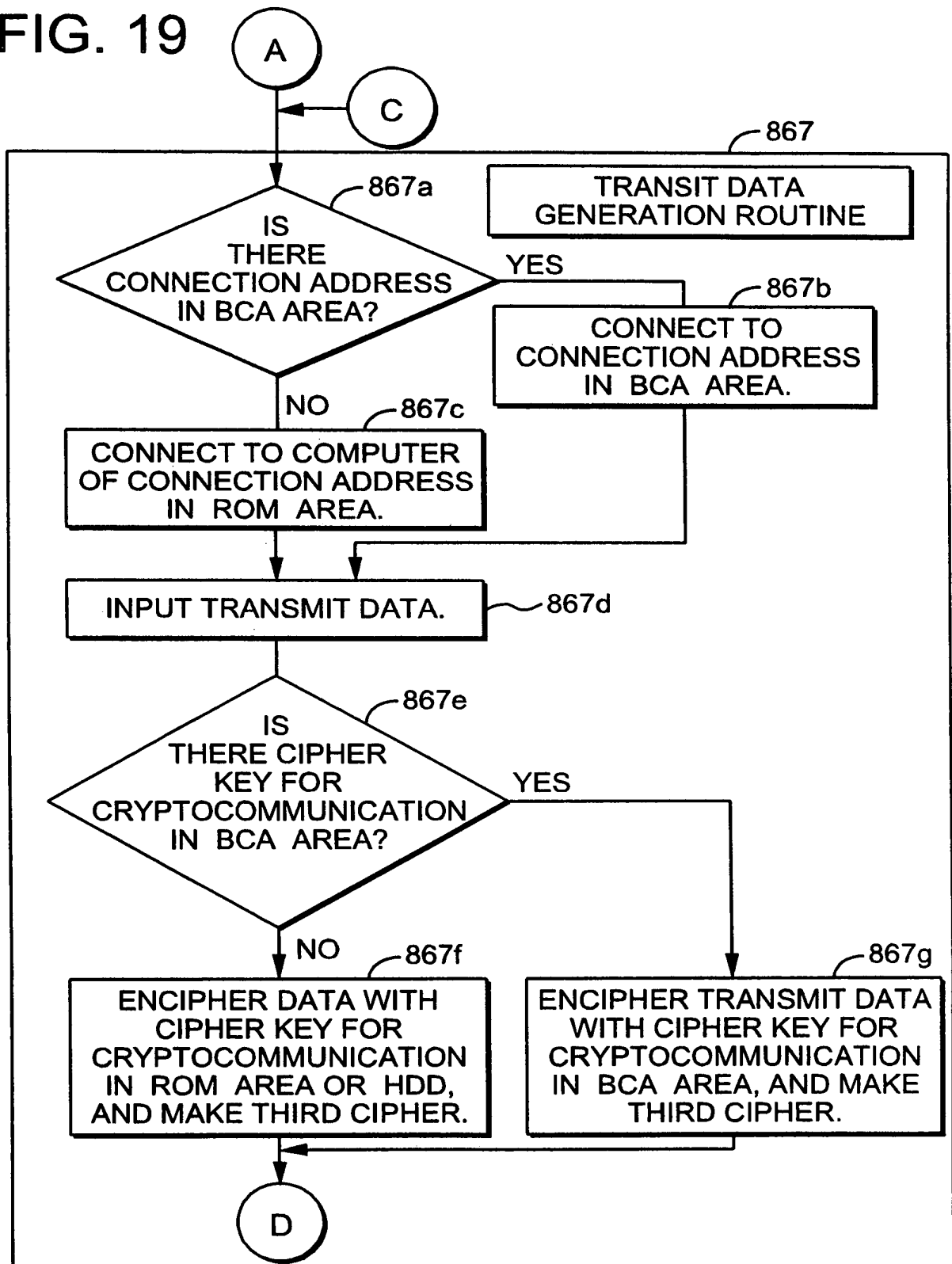




FIG. 19



# FIG. 20A

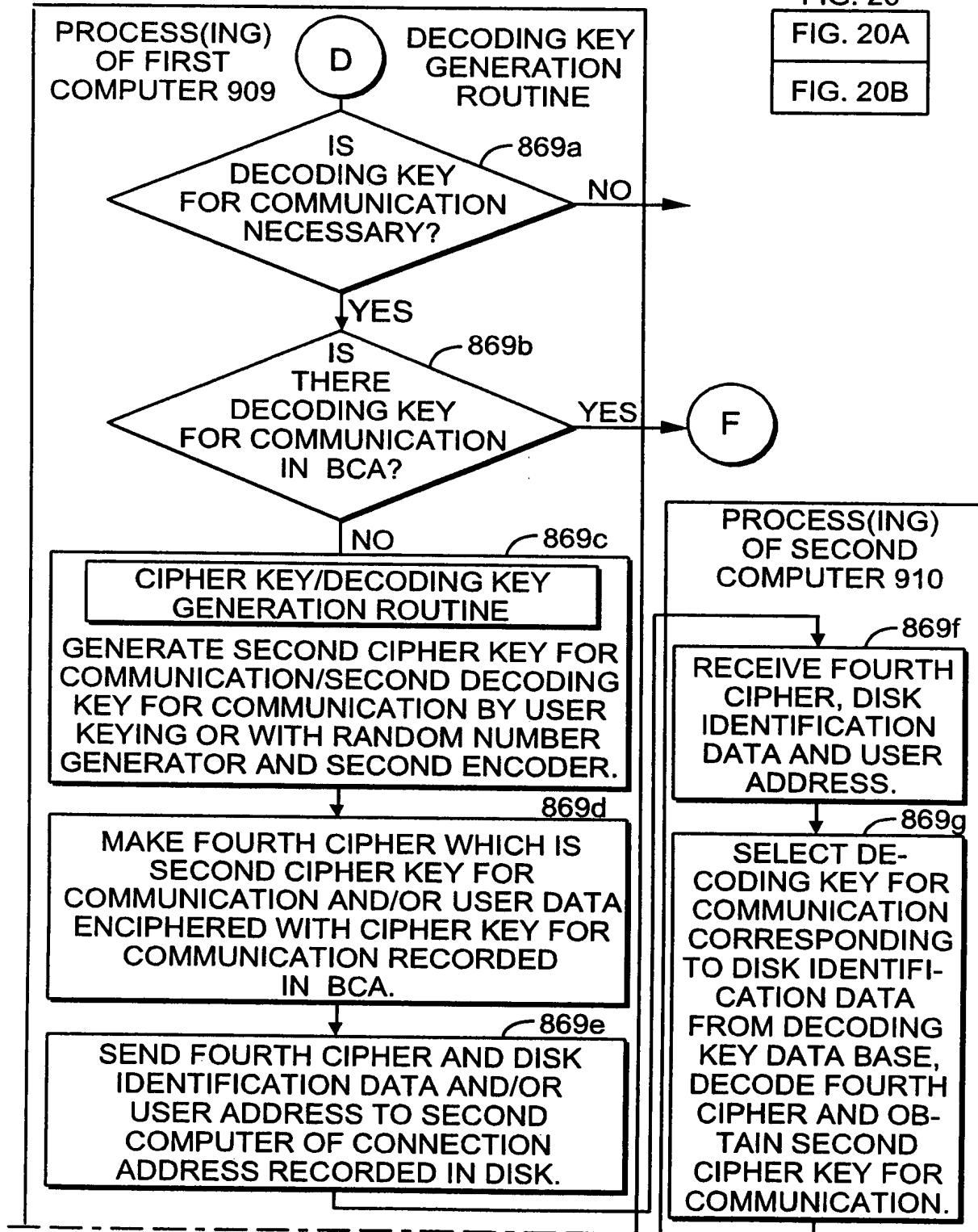
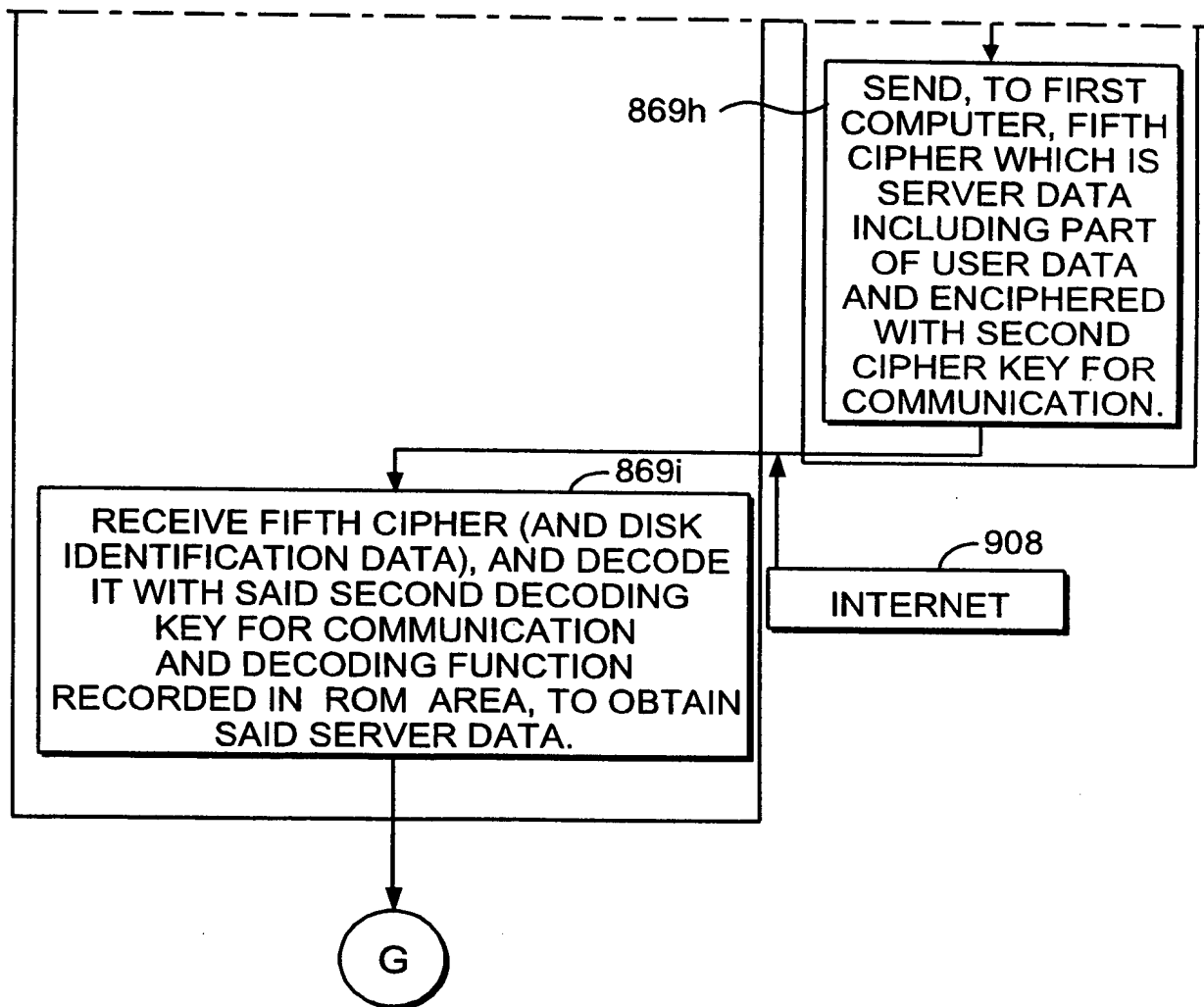


FIG. 20

FIG. 20A

FIG. 20B

FIG. 20B



# FIG. 21A

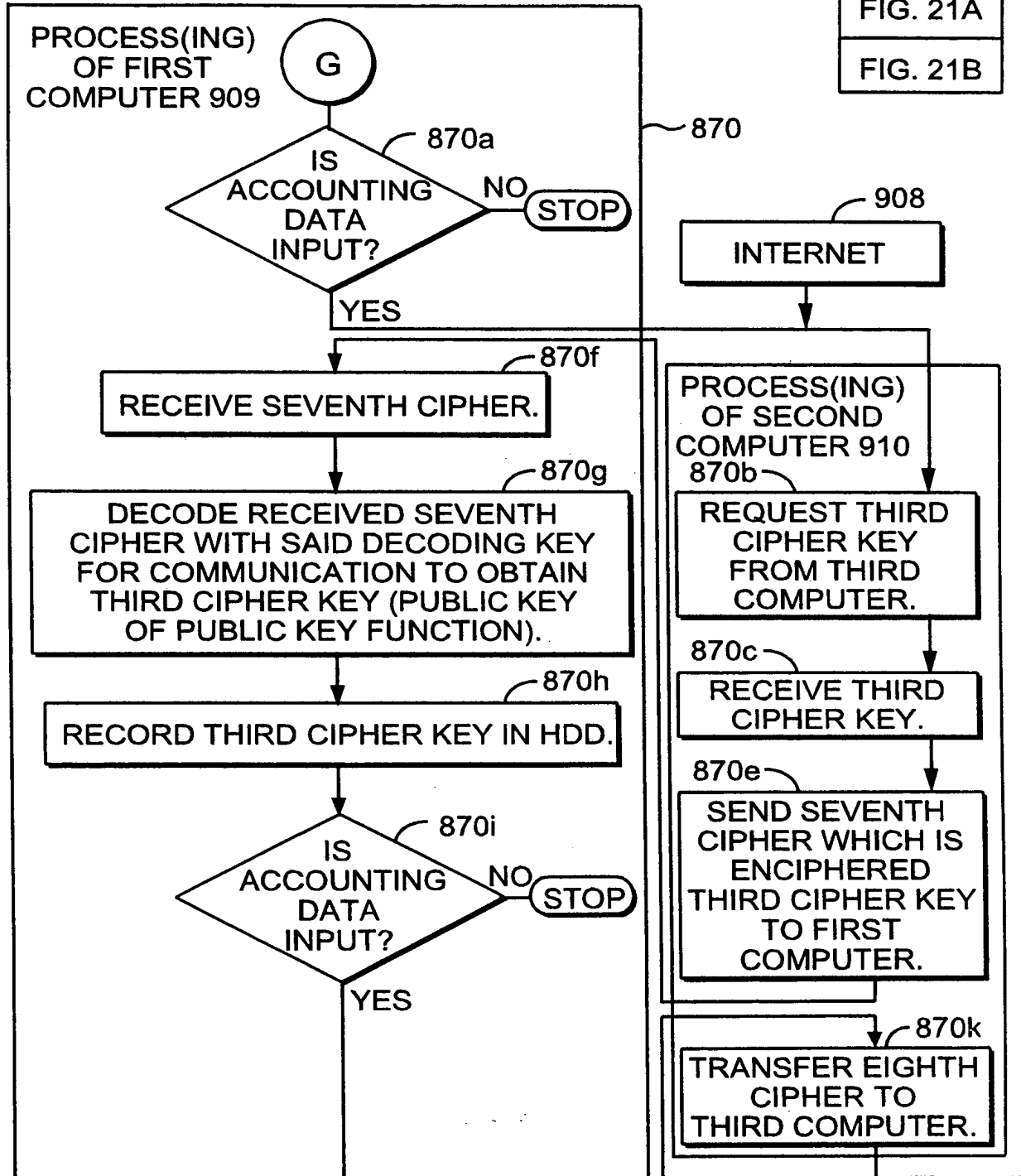


FIG. 21B

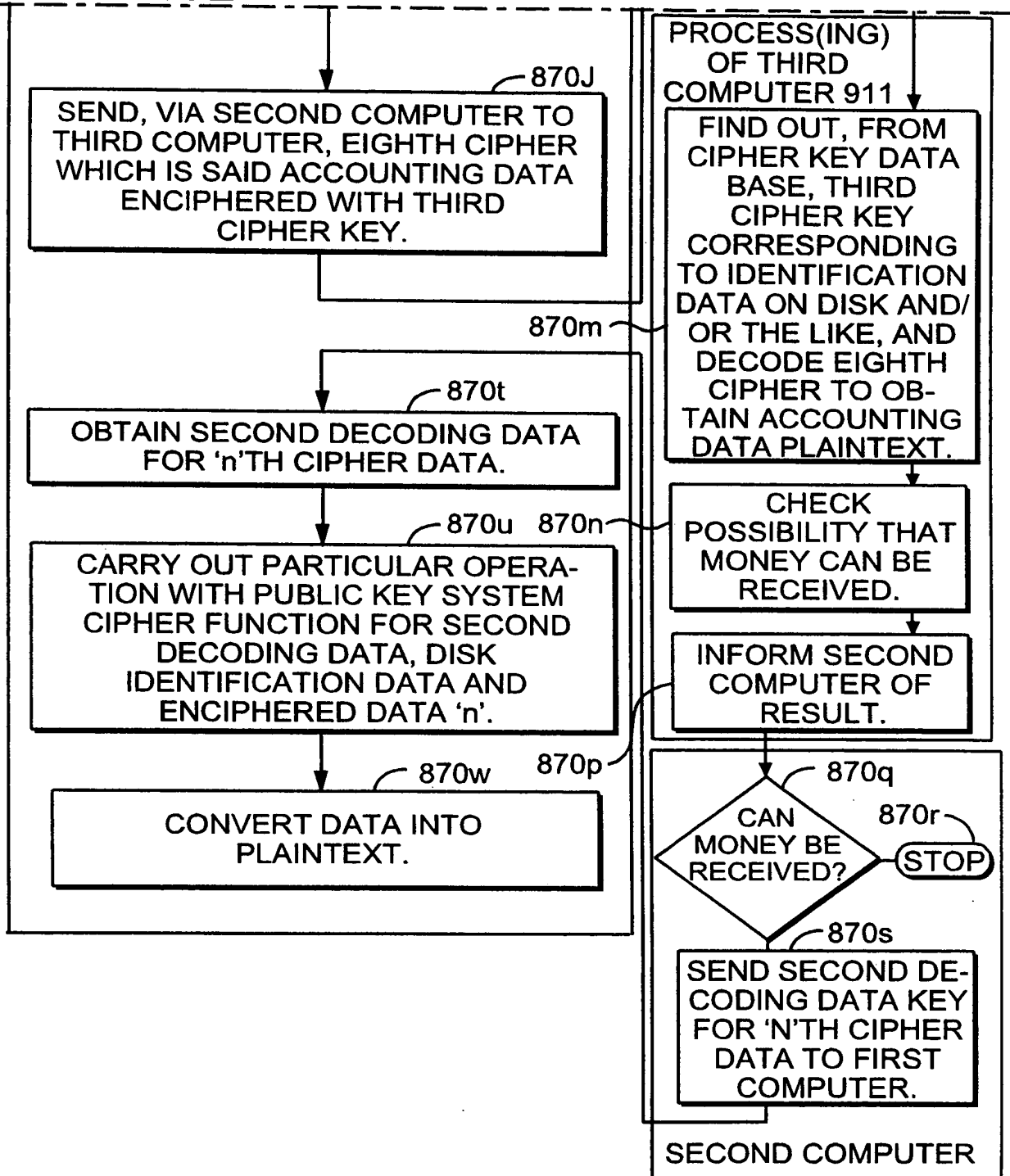
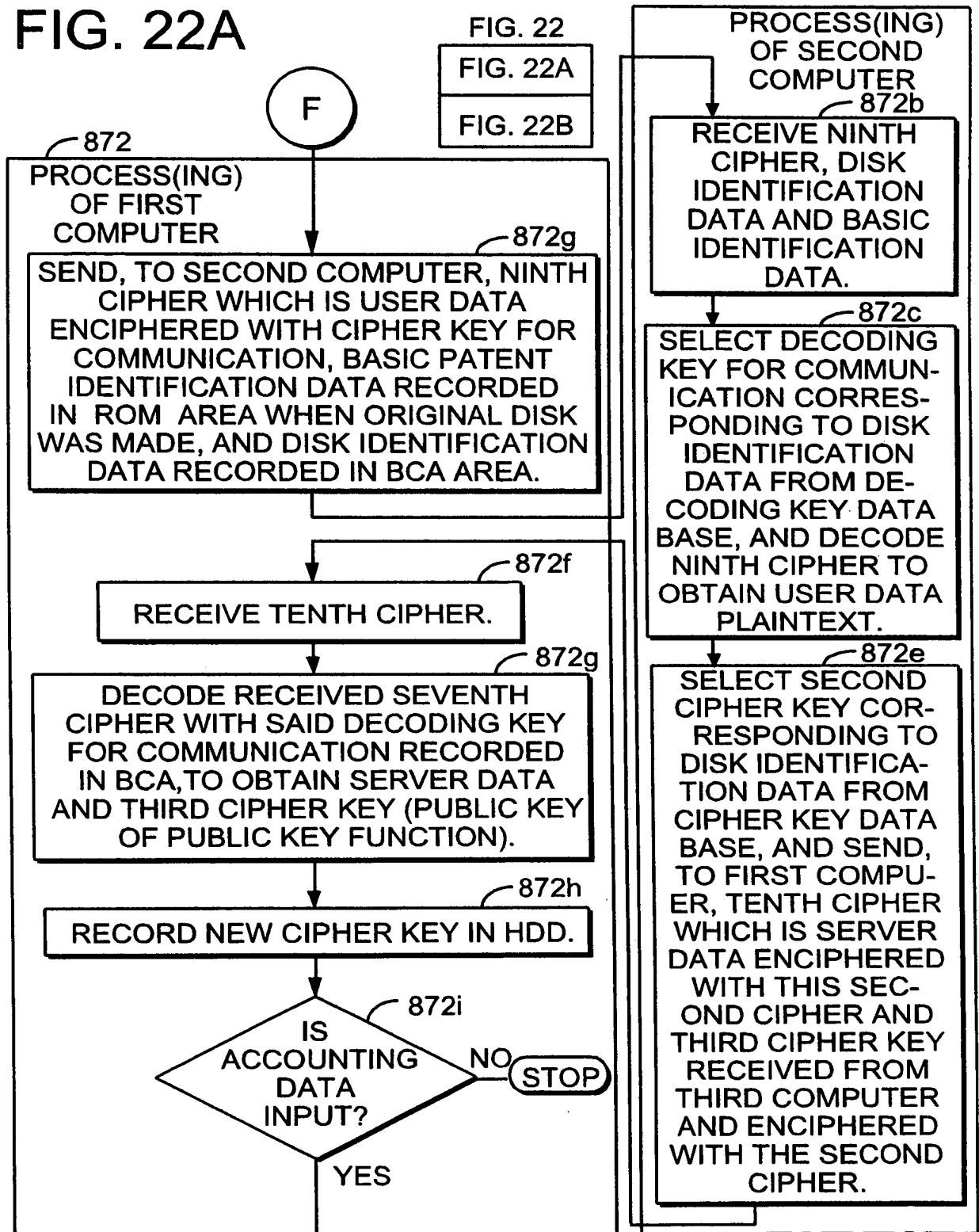


FIG. 22A



# FIG. 22B

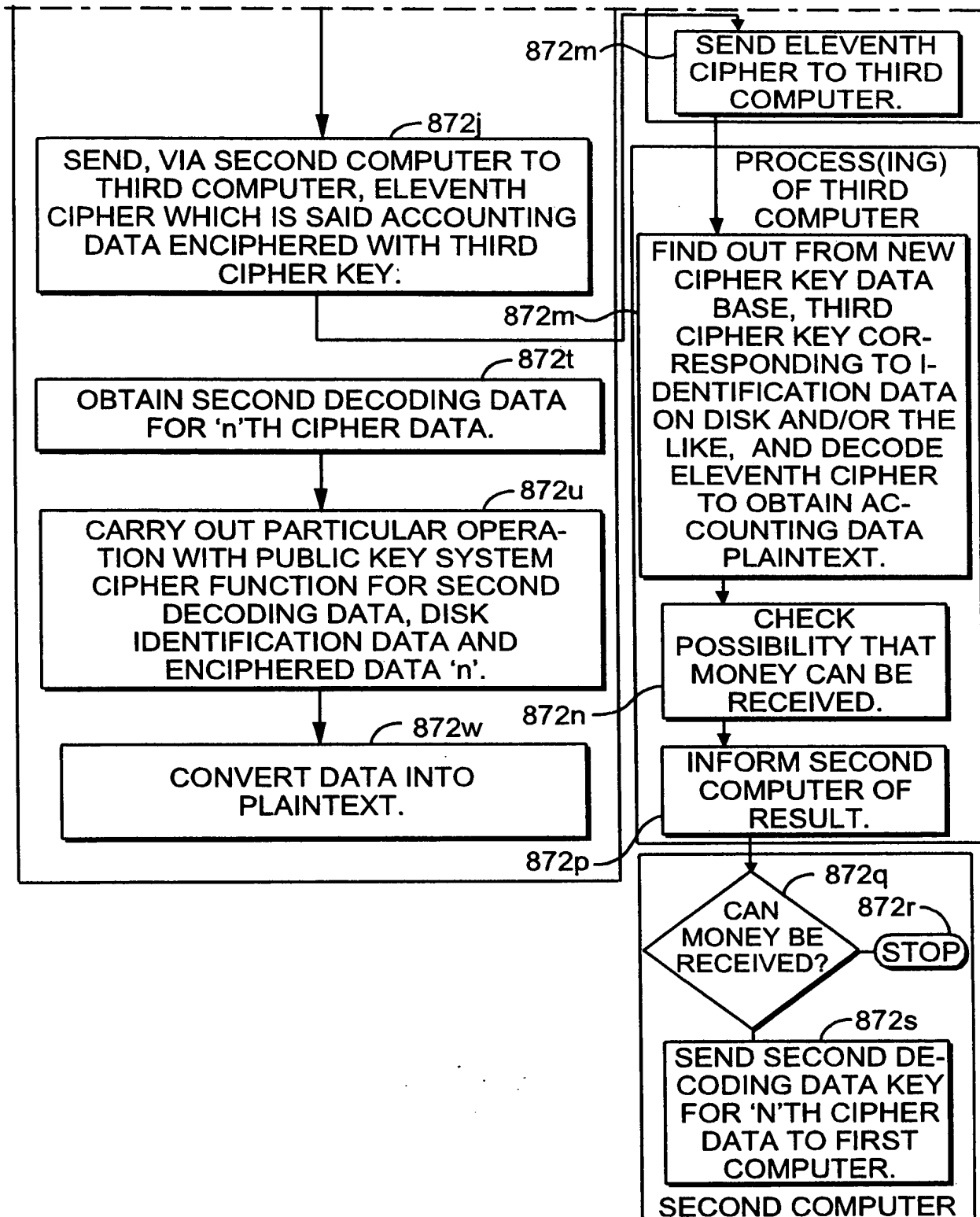
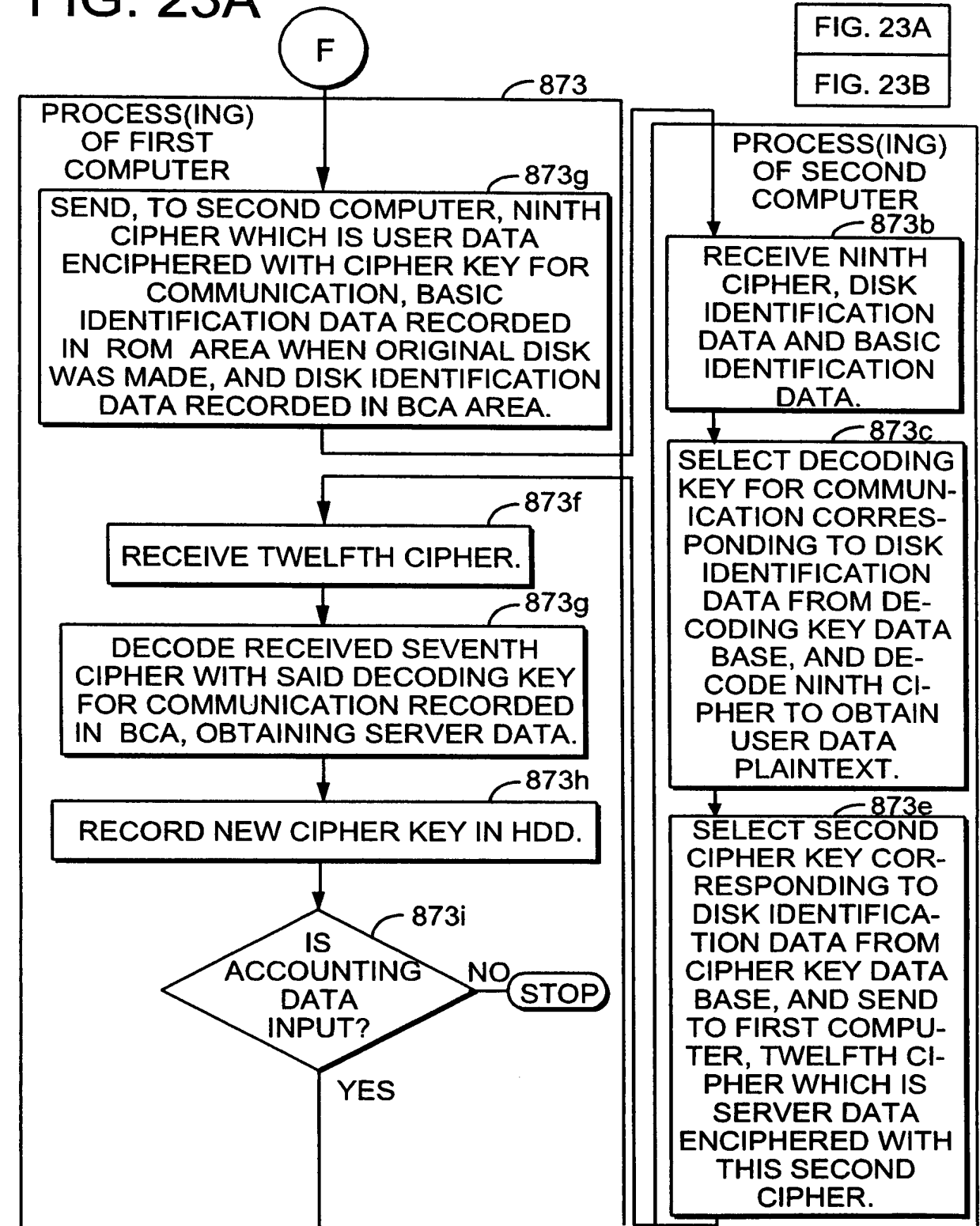


FIG. 23A





# FIG. 23B

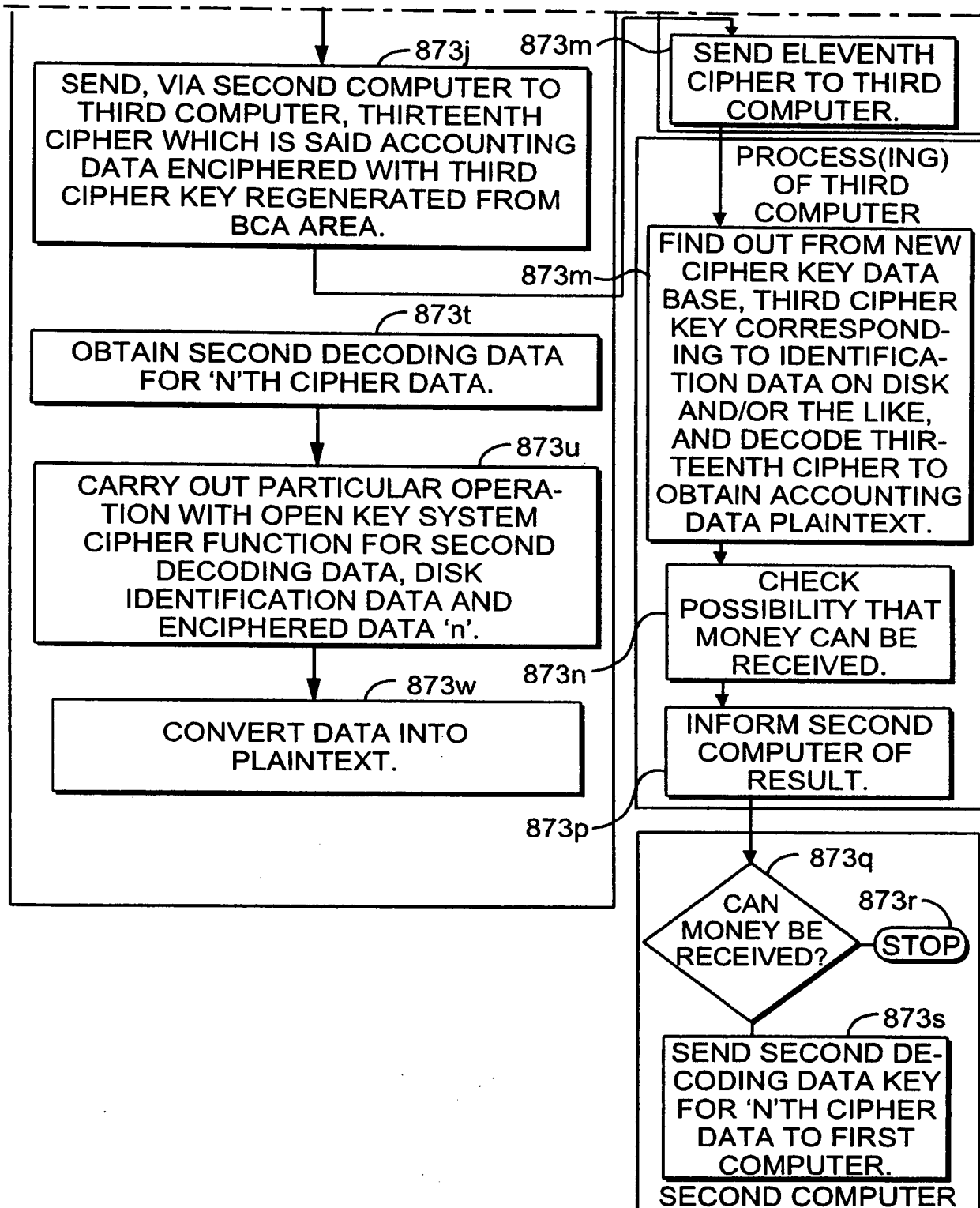


FIG. 24A

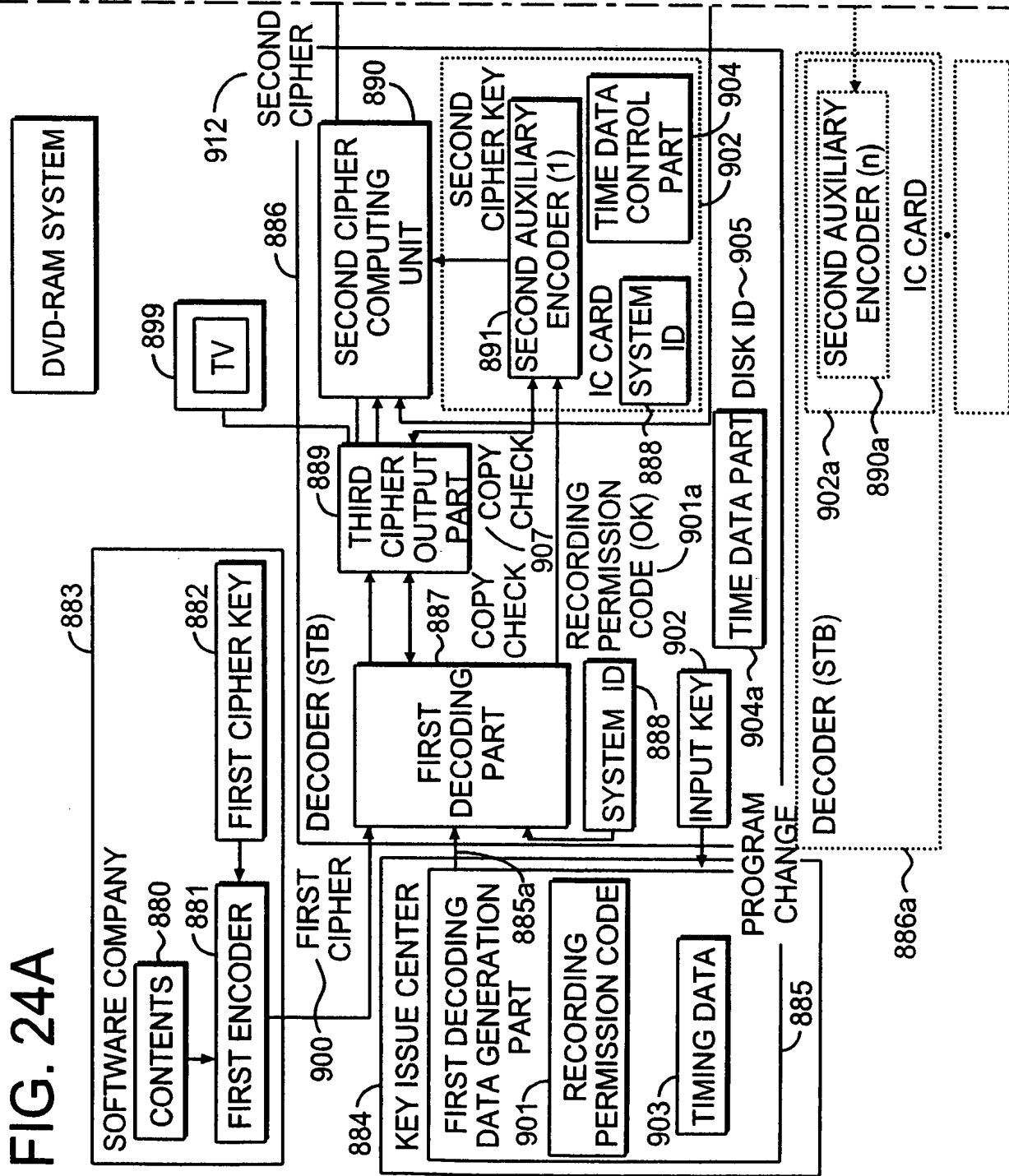


FIG. 24

FIG. 24A FIG. 24B

FIG. 24B

